

# Masamitsu Shimazawa

## List of Publications by Year in descending order

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Version: 2024-02-01

176  
papers

3,794  
citations

136950

32  
h-index

197818

49  
g-index

180  
all docs

180  
docs citations

180  
times ranked

5514  
citing authors

#	ARTICLE	IF	CITATIONS
1	Damage of photoreceptor-derived cells in culture induced by light emitting diode-derived blue light. <i>Scientific Reports</i> , 2014, 4, 5223.	3.3	225
2	Retinal Diseases Associated with Oxidative Stress and the Effects of a Free Radical Scavenger (Edaravone). <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-14.	4.0	149
3	Crocetin prevents retinal degeneration induced by oxidative and endoplasmic reticulum stresses via inhibition of caspase activity. <i>European Journal of Pharmacology</i> , 2011, 650, 110-119.	3.5	128
4	Coenzyme Q10 protects retinal cells against oxidative stress in vitro and in vivo. <i>Brain Research</i> , 2008, 1226, 226-233.	2.2	92
5	Docosahexaenoic acid (DHA) has neuroprotective effects against oxidative stress in retinal ganglion cells. <i>Brain Research</i> , 2009, 1251, 269-275.	2.2	86
6	SA4503, a sigma-1 receptor agonist, suppresses motor neuron damage in in vitro and in vivo amyotrophic lateral sclerosis models. <i>Neuroscience Letters</i> , 2014, 559, 174-178.	2.1	80
7	Reduced retinal function in amyloid precursor protein-overexpressing transgenic mice via attenuating glutamate-N-methyl-D-aspartate receptor signaling. <i>Journal of Neurochemistry</i> , 2008, 107, 279-290.	3.9	71
8	Edaravone, a Free Radical Scavenger, Protects against Retinal Damage in Vitro and in Vivo. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2009, 329, 687-698.	2.5	67
9	Temporal activation of Nrf2 in the penumbra and Nrf2 activator-mediated neuroprotection in ischemia-reperfusion injury. <i>Free Radical Biology and Medicine</i> , 2014, 72, 124-133.	2.9	63
10	Edaravone-loaded liposomes for retinal protection against oxidative stress-induced retinal damage. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2011, 79, 119-125.	4.3	58
11	Intracellular Fe <sup>2+</sup> accumulation in endothelial cells and pericytes induces blood-brain barrier dysfunction in secondary brain injury after brain hemorrhage. <i>Scientific Reports</i> , 2019, 9, 6228.	3.3	56
12	Systemic administration of a free radical scavenger, edaravone, protects against light-induced photoreceptor degeneration in the mouse retina. <i>European Journal of Pharmacology</i> , 2010, 642, 77-85.	3.5	55
13	Edaravone-Loaded Liposome Eyedrops Protect against Light-Induced Retinal Damage in Mice. , 2011, 52, 7289.		54
14	An Inducer of VGF Protects Cells against ER Stress-Induced Cell Death and Prolongs Survival in the Mutant SOD1 Animal Models of Familial ALS. <i>PLoS ONE</i> , 2010, 5, e15307.	2.5	51
15	Astaxanthin analogs, adonixanthin and lycopene, activate Nrf2 to prevent light-induced photoreceptor degeneration. <i>Journal of Pharmacological Sciences</i> , 2017, 134, 147-157.	2.5	48
16	Irreversible Photoreceptors and RPE Cells Damage by Intravenous Sodium Iodate in Mice Is Related to Macrophage Accumulation. , 2018, 59, 3476.		48
17	Exposure to excessive blue LED light damages retinal pigment epithelium and photoreceptors of pigmented mice. <i>Experimental Eye Research</i> , 2018, 177, 1-11.	2.6	48
18	The Involvement of the Oxidative Stress in Murine Blue LED Light-Induced Retinal Damage Model. <i>Biological and Pharmaceutical Bulletin</i> , 2017, 40, 1219-1225.	1.4	47

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19	Diabetes Mellitus Aggravates Hemorrhagic Transformation after Ischemic Stroke via Mitochondrial Defects Leading to Endothelial Apoptosis. <i>PLoS ONE</i> , 2014, 9, e103818.	2.5	46
20	A novel nuclear factor erythroid 2-related factor 2 (Nrf2) activator RS9 attenuates brain injury after ischemia reperfusion in mice. <i>Neuroscience</i> , 2016, 333, 302-310.	2.3	46
21	Role of Oxidative Stress in Retinal Photoreceptor Cell Death in N-Methyl-N-nitrosourea-Treated Mice. <i>Journal of Pharmacological Sciences</i> , 2012, 118, 351-362.	2.5	45
22	A Novel Calpain Inhibitor, ((1S)-1-(((1S)-1-Benzyl-3-cyclopropylamino-2,3-di-oxopropyl)amino)carbonyl)-3-methylbutyl)carbamic Acid 5-Methoxy-3-oxapentyl Ester (SNJ-1945), Reduces Murine Retinal Cell Death In Vitro and In Vivo. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2010, 332, 380-387.	2.5	44
23	Astaxanthin Protects Against Retinal Damage: Evidence from <i>In Vivo</i> and <i>In Vitro</i> Retinal Ischemia and Reperfusion Models. <i>Current Eye Research</i> , 2016, 41, 1465-1472.	1.5	44
24	Japanese <i>Huperzia serrata</i> extract and the constituent, huperzine A, ameliorate the scopolamine-induced cognitive impairment in mice. <i>Bioscience, Biotechnology and Biochemistry</i> , 2015, 79, 1838-1844.	1.3	43
25	Proliferative diabetic retinopathy and relations among antioxidant activity, oxidative stress, and VEGF in the vitreous body. <i>Molecular Vision</i> , 2010, 16, 130-6.	1.1	43
26	Ligation of the Pterygopalatine and External Carotid Arteries Induces Ischemic Damage in the Murine Retina. , 2011, 52, 9710.		42
27	Cilostazol ameliorates collagenase-induced cerebral hemorrhage by protecting the blood-brain barrier. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 123-139.	4.3	42
28	A pharmacological approach in newly established retinal vein occlusion model. <i>Scientific Reports</i> , 2017, 7, 43509.	3.3	41
29	Astaxanthin, a dietary carotenoid, protects retinal cells against oxidative stress in-vitro and in mice in-vivo. <i>Journal of Pharmacy and Pharmacology</i> , 2008, 60, 1365-1374.	2.4	41
30	Piezo channel plays a part in retinal ganglion cell damage. <i>Experimental Eye Research</i> , 2020, 191, 107900.	2.6	39
31	Zeaxanthin, a Retinal Carotenoid, Protects Retinal Cells against Oxidative Stress. <i>Current Eye Research</i> , 2009, 34, 311-318.	1.5	37
32	Glycoprotein nonmetastatic melanoma protein B extracellular fragment shows neuroprotective effects and activates the PI3K/Akt and MEK/ERK pathways via the Na <sup>+</sup> /K <sup>+</sup> -ATPase. <i>Scientific Reports</i> , 2016, 6, 23241.	3.3	37
33	Nrf2 activator ameliorates hemorrhagic transformation in focal cerebral ischemia under warfarin anticoagulation. <i>Neurobiology of Disease</i> , 2016, 89, 136-146.	4.4	36
34	Toll-like receptor 4 inhibitor protects against retinal ganglion cell damage induced by optic nerve crush in mice. <i>Journal of Pharmacological Sciences</i> , 2017, 133, 176-183.	2.5	35
35	Distribution and function of hyaluronan binding protein involved in hyaluronan depolymerization (HYBID, KIAA1199) in the mouse central nervous system. <i>Neuroscience</i> , 2017, 347, 1-10.	2.3	34
36	Crocetin protects ultraviolet A-induced oxidative stress and cell death in skin in vitro and in vivo. <i>European Journal of Pharmacology</i> , 2016, 789, 244-253.	3.5	33

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37	Brazilian green propolis water extract up-regulates the early expression level of HO-1 and accelerates Nrf2 after UVA irradiation. <i>BMC Complementary and Alternative Medicine</i> , 2015, 15, 421.	3.7	32
38	A novel Nrf2 activator, RS9, attenuates secondary brain injury after intracerebral hemorrhage in sub-acute phase. <i>Brain Research</i> , 2018, 1701, 137-145.	2.2	32
39	Glucagon-like peptide-1 protects the murine hippocampus against stressors via Akt and ERK1/2 signaling. <i>Biochemical and Biophysical Research Communications</i> , 2015, 458, 274-279.	2.1	31
40	RS9, a novel Nrf2 activator, attenuates light-induced death of cells of photoreceptor cells and Müller glia cells. <i>Journal of Neurochemistry</i> , 2017, 141, 750-765.	3.9	30
41	Discovery of a CNS penetrant small molecule SMN2 splicing modulator with improved tolerability for spinal muscular atrophy. <i>Scientific Reports</i> , 2020, 10, 17472.	3.3	30
42	Transient acceleration of autophagic degradation by pharmacological Nrf2 activation is important for retinal pigment epithelium cell survival. <i>Redox Biology</i> , 2018, 19, 354-363.	9.0	29
43	Combination effects of normobaric hyperoxia and edaravone on focal cerebral ischemia-induced neuronal damage in mice. <i>Neuroscience Letters</i> , 2008, 441, 224-228.	2.1	28
44	Effect of a sigma-1 receptor agonist, cutamesine dihydrochloride (SA4503), on photoreceptor cell death against light-induced damage. <i>Experimental Eye Research</i> , 2015, 132, 64-72.	2.6	28
45	Effects of ticagrelor in a mouse model of ischemic stroke. <i>Scientific Reports</i> , 2017, 7, 12088.	3.3	28
46	Unoprostone reduces oxidative stress- and light-induced retinal cell death, and phagocytotic dysfunction, by activating BK channels. <i>Molecular Vision</i> , 2011, 17, 3556-65.	1.1	28
47	TUDCA Promotes Phagocytosis by Retinal Pigment Epithelium via MerTK Activation. , 2015, 56, 2511.		27
48	Established Stem Cell Model of Spinal Muscular Atrophy Is Applicable in the Evaluation of the Efficacy of Thyrotropin-Releasing Hormone Analog. <i>Stem Cells Translational Medicine</i> , 2016, 5, 152-163.	3.3	26
49	Zonisamide suppresses endoplasmic reticulum stress-induced neuronal cell damage in vitro and in vivo. <i>European Journal of Pharmacology</i> , 2015, 746, 301-307.	3.5	25
50	Glycoprotein nonmetastatic melanoma protein B ameliorates skeletal muscle lesions in a SOD1 <sup>G93A</sup> mouse model of amyotrophic lateral sclerosis. <i>Journal of Neuroscience Research</i> , 2015, 93, 1552-1566.	2.9	24
51	Progranulin promotes the retinal precursor cell proliferation and the photoreceptor differentiation in the mouse retina. <i>Scientific Reports</i> , 2016, 6, 23811.	3.3	24
52	GPNMB ameliorates mutant TDP43-induced motor neuron cell death. <i>Journal of Neuroscience Research</i> , 2017, 95, 1647-1665.	2.9	24
53	Targeted deletion of HYBID (hyaluronan binding protein involved in hyaluronan depolymerization) Tj ETQq1 1 0.784314 rgBT /Overload accumulation. <i>Biochemical and Biophysical Research Communications</i> , 2018, 503, 1934-1940.	2.1	24
54	Nrf2 Activator RS9 Suppresses Pathological Ocular Angiogenesis and Hyperpermeability. , 2019, 60, 1943.		23

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55	Involvement of Bid and caspase-2 in endoplasmic reticulum stress- and oxidative stress-induced retinal ganglion cell death. <i>Journal of Neuroscience Research</i> , 2011, 89, 1783-1794.	2.9	22
56	Hydroxyl radicals cause fluctuation in intracellular ferrous ion levels upon light exposure during photoreceptor cell death. <i>Experimental Eye Research</i> , 2014, 129, 24-30.	2.6	22
57	Progranulin deficiency causes the retinal ganglion cell loss during development. <i>Scientific Reports</i> , 2017, 7, 1679.	3.3	21
58	Antitumour Effects of Astaxanthin and Adonixanthin on Glioblastoma. <i>Marine Drugs</i> , 2020, 18, 474.	4.6	21
59	Behavioral abnormalities with disruption of brain structure in mice overexpressing VGF. <i>Scientific Reports</i> , 2017, 7, 4691.	3.3	20
60	The Mitochondria-targeted Peptide, Bendavia, Attenuated Ischemia/Reperfusion-induced Stroke Damage. <i>Neuroscience</i> , 2020, 443, 110-119.	2.3	20
61	Edaravone is a free radical scavenger that protects against laser-induced choroidal neovascularization in mice and common marmosets. <i>Experimental Eye Research</i> , 2016, 146, 196-205.	2.6	19
62	Edaravone is a candidate agent for spinal muscular atrophy: In vitro analysis using a human induced pluripotent stem cells-derived disease model. <i>European Journal of Pharmacology</i> , 2017, 814, 161-168.	3.5	19
63	Apolipoprotein E2 and E3, but Not E4, Promote Retinal Pathologic Neovascularization. , 2017, 58, 1208.		19
64	Notch Signaling Mediates Astrocyte Abnormality in Spinal Muscular Atrophy Model Systems. <i>Scientific Reports</i> , 2019, 9, 3701.	3.3	19
65	A triterpenoid Nrf2 activator, RS9, promotes LC3-associated phagocytosis of photoreceptor outer segments in a p62-independent manner. <i>Free Radical Biology and Medicine</i> , 2020, 152, 235-247.	2.9	19
66	Deferasirox, a trivalent iron chelator, ameliorates neuronal damage in hemorrhagic stroke models. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2021, 394, 73-84.	3.0	19
67	The effect of triamcinolone acetonide on laser-induced choroidal neovascularization in mice using a hypoxia visualization bio-imaging probe. <i>Scientific Reports</i> , 2015, 5, 9898.	3.3	18
68	Analysis and characterization of anthocyanins and carotenoids in Japanese blue tomato. <i>Bioscience, Biotechnology and Biochemistry</i> , 2016, 80, 341-349.	1.3	18
69	Both Autocrine Signaling and Paracrine Signaling of HB-EGF Enhance Ocular Neovascularization. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2018, 38, 174-185.	2.4	18
70	A Docosahexaenoic Acid-Derived Pro-resolving Agent, Maresin 1, Protects Motor Neuron Cells Death. <i>Neurochemical Research</i> , 2018, 43, 1413-1423.	3.3	18
71	The Protective Effects of Levetiracetam on a Human iPSCs-Derived Spinal Muscular Atrophy Model. <i>Neurochemical Research</i> , 2019, 44, 1773-1779.	3.3	18
72	Photobiomodulation with 670 nm light increased phagocytosis in human retinal pigment epithelial cells. <i>Molecular Vision</i> , 2015, 21, 883-92.	1.1	18

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73	A novel free radical scavenger, NSP-116, ameliorated the brain injury in both ischemic and hemorrhagic stroke models. <i>Journal of Pharmacological Sciences</i> , 2019, 141, 119-126.	2.5	17
74	Involvement of endoplasmic reticulum stress in optic nerve degeneration following N-methyl-D-aspartate-induced retinal damage in mice. <i>Journal of Neuroscience Research</i> , 2012, 90, 1960-1969.	2.9	16
75	The extracellular fragment of GPNMB (Glycoprotein nonmelanosoma protein B,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 <i>Neurochemistry</i> , 2015, 132, 583-594.	3.9	16
76	VGF nerve growth factor inducible is involved in retinal ganglion cells death induced by optic nerve crush. <i>Scientific Reports</i> , 2018, 8, 16443.	3.3	16
77	SEMA4A Mutations Lead to Susceptibility to Light Irradiation, Oxidative Stress, and ER Stress in Retinal Pigment Epithelial Cells. , 2012, 53, 6729.		15
78	Glycoprotein nonmetastatic melanoma protein B (GPNMB) promotes the progression of brain glioblastoma via Na <sup>+</sup> /K <sup>+</sup> -ATPase. <i>Biochemical and Biophysical Research Communications</i> , 2016, 481, 7-12.	2.1	15
79	Pathophysiological Role of VEGF on Retinal Edema and Nonperfused Areas in Mouse Eyes With Retinal Vein Occlusion. , 2018, 59, 4701.		15
80	Riluzole enhances the antitumor effects of temozolomide via suppression of MGMT expression in glioblastoma. <i>Journal of Neurosurgery</i> , 2020, 134, 1-10.	1.6	15
81	Piezo 1 is involved in intraocular pressure regulation. <i>Journal of Pharmacological Sciences</i> , 2021, 147, 211-221.	2.5	15
82	The Effects of Brazilian Green Propolis against Excessive Light-Induced Cell Damage in Retina and Fibroblast Cells. <i>Evidence-based Complementary and Alternative Medicine</i> , 2013, 2013, 1-11.	1.2	14
83	Colored lenses suppress blue light-emitting diode light-induced damage in photoreceptor-derived cells. <i>Journal of Biomedical Optics</i> , 2016, 21, 035004.	2.6	14
84	Protective effects of NSP-116, a novel imidazolyl aniline derivative, against light-induced retinal damage in vitro and in vivo. <i>Free Radical Biology and Medicine</i> , 2016, 96, 304-312.	2.9	14
85	Survival motor neuron protein regulates oxidative stress and inflammatory response in microglia of the spinal cord in spinal muscular atrophy. <i>Journal of Pharmacological Sciences</i> , 2020, 144, 204-211.	2.5	14
86	Bilberry extract and anthocyanins suppress unfolded protein response induced by exposure to blue LED light of cells in photoreceptor cell line. <i>Molecular Vision</i> , 2018, 24, 621-632.	1.1	14
87	Protective Effect of SUN N8075, a Free Radical Scavenger, against Excessive Light-Induced Retinal Damage in Mice. <i>Biological and Pharmaceutical Bulletin</i> , 2014, 37, 424-430.	1.4	13
88	Involvement of endoplasmic reticulum stress in optic nerve degeneration after chronic high intraocular pressure in DBA/2J mice. <i>Journal of Neuroscience Research</i> , 2015, 93, 1675-1683.	2.9	13
89	EP300 Protects from Light-Induced Retinopathy in Zebrafish. <i>Frontiers in Pharmacology</i> , 2016, 7, 126.	3.5	13
90	Effects of ripasudil, a ROCK inhibitor, on retinal edema and nonperfusion area in a retinal vein occlusion murine model. <i>Journal of Pharmacological Sciences</i> , 2018, 137, 129-136.	2.5	13

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91	Effect of Timolol on Optineurin Aggregation in Transformed Induced Pluripotent Stem Cells Derived From Patient With Familial Glaucoma. , 2020, 59, 2293.		13
92	Excess adiponectin in eyes with progressive ocular vascular diseases. FASEB Journal, 2021, 35, e21313.	0.5	13
93	Lipid Droplet Accumulation Promotes RPE Dysfunction. International Journal of Molecular Sciences, 2022, 23, 1790.	4.1	13
94	Establishment of the ocular hypertension model using the common marmoset. Experimental Eye Research, 2013, 111, 1-8.	2.6	12
95	The kallikrein system in retinal damage/protection. European Journal of Pharmacology, 2015, 749, 161-163.	3.5	12
96	Granulin 1 Promotes Retinal Regeneration in Zebrafish. , 2018, 59, 6057.		12
97	Temozolomide has anti-tumor effects through the phosphorylation of cPLA2 on glioblastoma cells. Brain Research, 2019, 1723, 146396.	2.2	12
98	Blue light-emitting diode irradiation promotes transcription factor EB-mediated lysosome biogenesis and lysosomal cell death in murine photoreceptor-derived cells. Biochemical and Biophysical Research Communications, 2020, 526, 479-484.	2.1	11
99	Novel Situations of Endothelial Injury in Stroke " Mechanisms of Stroke and Strategy of Drug Development: Protective Effects of Antiplatelet Agents Against Stroke. Journal of Pharmacological Sciences, 2011, 116, 30-35.	2.5	10
100	Tissue kallikrein (kallidinogenase) protects against retinal ischemic damage in mice. European Journal of Pharmacology, 2014, 738, 74-82.	3.5	10
101	Establishment of a drug evaluation model against light-induced retinal degeneration using adult pigmented zebrafish. Journal of Pharmacological Sciences, 2016, 131, 215-218.	2.5	10
102	GPNMB Induces BiP Expression by Enhancing Splicing of BiP Pre-mRNA during the Endoplasmic Reticulum Stress Response. Scientific Reports, 2017, 7, 12160.	3.3	10
103	VGF has Roles in the Pathogenesis of Major Depressive Disorder and Schizophrenia: Evidence from Transgenic Mouse Models. Cellular and Molecular Neurobiology, 2019, 39, 721-727.	3.3	10
104	Impairment of oligodendrocyte lineages in spinal muscular atrophy model systems. NeuroReport, 2019, 30, 350-357.	1.2	10
105	Effects of progranulin on the pathological conditions in experimental myocardial infarction model. Scientific Reports, 2020, 10, 11842.	3.3	10
106	Effects of anti-osteoporosis drugs against dexamethasone-induced osteoporosis-like phenotype using a zebrafish scale-regeneration model. Journal of Pharmacological Sciences, 2020, 143, 117-121.	2.5	10
107	Contribution of platelet-derived growth factor signaling to retina regeneration in zebrafish. Neuroscience Letters, 2020, 727, 134930.	2.1	10
108	Mitochondria dynamics in the aged mice eye and the role in the RPE phagocytosis. Experimental Eye Research, 2021, 213, 108800.	2.6	10

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109	Piezo1 activation induces fibronectin reduction and PGF2 $\pm$ secretion via arachidonic acid cascade. <i>Experimental Eye Research</i> , 2022, 215, 108917.	2.6	10
110	Role of Metallothioneins 1 and 2 in Ocular Neovascularization. <i>Investigative Ophthalmology and Visual Science</i> , 2014, 55, 3851-6860.	3.3	9
111	Effects of kallidinogenase on retinal edema and size of non-perfused areas in mice with retinal vein occlusion. <i>Journal of Pharmacological Sciences</i> , 2017, 134, 86-92.	2.5	9
112	Involvement of cannabinoid receptor type 2 in light-induced degeneration of cells from mouse retinal cell line in vitro and mouse photoreceptors in vivo. <i>Experimental Eye Research</i> , 2018, 167, 44-50.	2.6	9
113	Efficacy of Prednisolone in Generated Myotubes Derived From Fibroblasts of Duchenne Muscular Dystrophy Patients. <i>Frontiers in Pharmacology</i> , 2018, 9, 1402.	3.5	9
114	Impaired Cerebellar Development in Mice Overexpressing VGF. <i>Neurochemical Research</i> , 2019, 44, 374-387.	3.3	9
115	Carteolol hydrochloride reduces visible light-induced retinal damage in vivo and BSO/glutamate-induced oxidative stress in vitro. <i>Journal of Pharmacological Sciences</i> , 2019, 139, 84-90.	2.5	9
116	Levetiracetam, an Antiepileptic Drug has Neuroprotective Effects on Intracranial Hemorrhage Injury. <i>Neuroscience</i> , 2020, 431, 25-33.	2.3	9
117	Progranulin deficiency in Iba-1+ myeloid cells exacerbates choroidal neovascularization by perturbation of lysosomal function and abnormal inflammation. <i>Journal of Neuroinflammation</i> , 2021, 18, 164.	7.2	9
118	HYBID derived from tumor cells and tumor-associated macrophages contribute to the glioblastoma growth. <i>Brain Research</i> , 2021, 1764, 147490.	2.2	9
119	Topical Diclofenac-Loaded Liposomes Ameliorate Laser-Induced Choroidal Neovascularization in Mice and Non-Human Primates. <i>Current Neurovascular Research</i> , 2017, 14, 46-52.	1.1	9
120	The involvement of ATF4 and S-opsin in retinal photoreceptor cell damage induced by blue LED light. <i>Molecular Vision</i> , 2017, 23, 52-59.	1.1	9
121	Memantine, an NMDA receptor antagonist, improves working memory deficits in DGK $\beta$ knockout mice. <i>Neuroscience Letters</i> , 2016, 630, 228-232.	2.1	8
122	Rimonabant, a selective cannabinoid 1 receptor antagonist, protects against light-induced retinal degeneration in vitro and in vivo. <i>European Journal of Pharmacology</i> , 2017, 803, 78-83.	3.5	8
123	Movement of retinal vessels toward the optic nerve head after increasing intraocular pressure in monkey eyes with experimental glaucoma. <i>Experimental Eye Research</i> , 2017, 162, 110-115.	2.6	8
124	Reduced Cholinergic Activity in the Hippocampus of Hippocampal Cholinergic Neurostimulating Peptide Precursor Protein Knockout Mice. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5367.	4.1	8
125	Evaluation of Bleb Characteristics after Trabeculectomy and Glaucoma Implant Surgery in the Rabbit. <i>Ophthalmic Research</i> , 2021, 64, 68-76.	1.9	8
126	Pharmacological inhibition of mitochondrial fission attenuates oxidative stress-induced damage of retinal pigmented epithelial cells. <i>Journal of Pharmacological Sciences</i> , 2021, 146, 149-159.	2.5	8



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127	Oral and ocular administration of crocetin prevents retinal edema in a murine retinal vein occlusion model. <i>Molecular Vision</i> , 2019, 25, 859-868.	1.1	8
128	Canagliflozin Inhibits Glioblastoma Growth and Proliferation by Activating AMPK. <i>Cellular and Molecular Neurobiology</i> , 2023, 43, 879-892.	3.3	8
129	Proteomic approach with LCMS-IT-TOF identified an increase of Rab33B after transient focal cerebral ischemia in mice. <i>Experimental &amp; Translational Stroke Medicine</i> , 2010, 2, 20.	3.2	7
130	Myalgic Encephalomyelitis/Chronic Fatigue Syndrome Induced by Repeated Forced Swimming in Mice. <i>Biological and Pharmaceutical Bulletin</i> , 2019, 42, 1140-1145.	1.4	7
131	<i>Acorus calamus</i> extract and its component $\hat{\pm}$ -asarone attenuate murine hippocampal neuronal cell death induced by $\langle\text{sc}\rangle\text{I}\langle/\text{sc}\rangle$ -glutamate and tunicamycin. <i>Bioscience, Biotechnology and Biochemistry</i> , 2021, 85, 493-501.	1.3	7
132	Microglia increases the proliferation of retinal precursor cells during postnatal development. <i>Molecular Vision</i> , 2018, 24, 536-545.	1.1	7
133	The protective effect of <i>Centella asiatica</i> and its constituent, araliadiol on neuronal cell damage and cognitive impairment. <i>Journal of Pharmacological Sciences</i> , 2022, 148, 162-171.	2.5	7
134	Fermented Rice Germ Extract Alleviates Morphological and Functional Damage to Murine Gastrocnemius Muscle by Inactivation of AMP-Activated Protein Kinase. <i>Journal of Medicinal Food</i> , 2017, 20, 969-980.	1.5	6
135	Platelet-Derived Growth Factor-BB Lessens Light-Induced Rod Photoreceptor Damage in Mice. , 2017, 58, 6299.		6
136	Therapeutic Effects of Iron Chelation in Atorvastatin-Induced Intracranial Hemorrhage of Zebrafish Larvae. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2020, 29, 105215.	1.6	6
137	The Changes in Blood Flow Seen in the Eye after Foot Acupuncture Treatment in Mice. <i>Evidence-based Complementary and Alternative Medicine</i> , 2020, 2020, 1-6.	1.2	6
138	Treatment with GDF15, a TGF $\hat{\beta}$ 2 superfamily protein, induces protective effect on retinal ganglion cells. <i>Experimental Eye Research</i> , 2021, 202, 108338.	2.6	6
139	Reduced mitochondrial complex II activity enhances cell death via intracellular reactive oxygen species in STHdhQ111 striatal neurons with mutant huntingtin. <i>Journal of Pharmacological Sciences</i> , 2021, 147, 367-375.	2.5	6
140	In Models of Intracerebral Hemorrhage, Rivaroxaban is Superior to Warfarin to Limit Blood Brain Barrier Disruption and Hematoma Expansion. <i>Current Neurovascular Research</i> , 2017, 14, 96-103.	1.1	6
141	Progranulin increases phagocytosis by retinal pigment epithelial cells in culture. <i>Journal of Neuroscience Research</i> , 2017, 95, 2500-2510.	2.9	5
142	Protective effects of fluoroquinolones on UV-induced damage of cultured ocular cell lines. <i>European Journal of Pharmacology</i> , 2017, 806, 59-66.	3.5	5
143	Sensorimotor gating deficits and effects of antipsychotics on the hyperactivity in VGF-overexpressing mice. <i>Pharmacological Reports</i> , 2018, 70, 476-480.	3.3	5
144	Identification of VGF nerve growth factor inducible-producing cells in human spinal cords and expression change in patients with amyotrophic lateral sclerosis. <i>International Journal of Medical Sciences</i> , 2020, 17, 480-489.	2.5	5

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145	A longitudinal comparison in cynomolgus macaques of the effect of brimonidine on optic nerve neuropathy using diffusion tensor imaging magnetic resonance imaging and spectral domain optical coherence tomography. <i>Heliyon</i> , 2021, 7, e06701.	3.2	5
146	Anti-vascular Endothelial Growth Factor Antibody Limits the Vascular Leakage and Decreases Subretinal Fibrosis in a Cynomolgus Monkey Choroidal Neovascularization Model. <i>Current Neurovascular Research</i> , 2020, 17, 420-428.	1.1	5
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175	The role of a novel hyaluronan depolymerization factor, HYBID, on glioma. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2020, 93, 3-P-341.	0.0	0
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