Iok-Hou Pang

List of Publications by Year
in descending order

64	3,895	257450 24	233421 45
papers	citations	h-index	g-index

67	67	67	3444
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Inherited glaucoma in DBA/2J mice: Pertinent disease features for studying the neurodegeneration. Visual Neuroscience, 2005, 22, 637-648.	1.0	355
2	TGFÎ²2-Induced Changes in Human Trabecular Meshwork: Implications for Intraocular Pressure. , 2006, 47, 226.		283
3	Noninvasive Measurement of Rodent Intraocular Pressure with a Rebound Tonometer. , 2005, 46, 4617.		204
4	Effects of TGF-Î²2, BMP-4, and Gremlin in the Trabecular Meshwork: Implications for Glaucoma. , 2007, 48, 1191.		203
5	Adenoviral Gene Transfer of Active Human Transforming Growth Factor-Î²2 Elevates Intraocular Pressure and Reduces Outflow Facility in Rodent Eyes. , 2010, 51, 2067.		189
6	Dexamethasone alters Fâ€actin architecture and promotes crossâ€linked actin network formation in human trabecular meshwork tissue. Cytoskeleton, 2005, 60, 83-95.	4.4	179
7	Rodent Models for Glaucoma Retinopathy and Optic Neuropathy. Journal of Glaucoma, 2007, 16, 483-505.	1.6	144
8	Increased expression of the WNT antagonist sFRP-1 in glaucoma elevates intraocular pressure. Journal of Clinical Investigation, 2008, 118, 1056-64.	8.2	143
9	Preliminary characterization of a transformed cell strain derived from human trabecular meshwork. Current Eye Research, 1994, 13, 51-63.	1.5	128
10	JNK2 and JNK3 are major regulators of axonal injury-induced retinal ganglion cell death. Neurobiology of Disease, 2012, 46, 393-401.	4.4	127
11	Glaucoma-causing myocilin mutants require the Peroxisomal targeting signal-1 receptor (PTS1R) to elevate intraocular pressure. Human Molecular Genetics, 2007, 16, 609-617.	2.9	101
12	Assessment of Aqueous Humor Dynamics in the Mouse by a Novel Method of Constant-Flow Infusion. , 2011, 52, 685.		98
13	Exon-level expression profiling of ocular tissues. Experimental Eye Research, 2013, 111, 105-111.	2.6	94
14	Evaluation of Inducible Nitric Oxide Synthase in Glaucomatous Optic Neuropathy and Pressure-Induced Optic Nerve Damage. , 2005, 46, 1313.		88
15	Inducible rodent models of glaucoma. Progress in Retinal and Eye Research, 2020, 75, 100799.	15.5	79
16	Existence of the Canonical Wnt Signaling Pathway in the Human Trabecular Meshwork. , 2012, 53, 7043.		70
17	Pigment epithelium-derived factor protects retinal ganglion cells. BMC Neuroscience, 2007, 8, 11.	1.9	69
18	Microbead-Induced Ocular Hypertensive Mouse Model for Screening and Testing of Aqueous Production Suppressants for Glaucoma. , 2012, 53, 3733.		65

#	Article	IF	Citations
19	Proximal inhibition of p38 MAPK stress signaling prevents distal axonopathy. Neurobiology of Disease, 2013, 59, 26-37.	4.4	65
20	Expression of Matrix Metalloproteinases and Their Inhibitors in Human Trabecular Meshwork Cells. , 2003, 44, 3485.		61
21	Mutant human myocilin induces strain specific differences in ocular hypertension and optic nerve damage in mice. Experimental Eye Research, 2012, 100, 65-72.	2.6	61
22	Involvement of Nrf2 in Ocular Diseases. Oxidative Medicine and Cellular Longevity, 2017, 2017, 1-18.	4.0	61
23	In vitro and in vivo neuroprotective effects of cJun N-terminal kinase inhibitors on retinal ganglion cells. Molecular Neurodegeneration, 2016, 11, 30.	10.8	58
24	The novel triterpenoid RTA 408 protects human retinal pigment epithelial cells against H2O2-induced cell injury via NF-E2-related factor 2 (Nrf2) activation. Redox Biology, 2016, 8, 98-109.	9.0	57
25	Strain and Age Effects on Aqueous Humor Dynamics in the Mouse. , 2015, 56, 5764.		53
26	Role of C/EBP Homologous Protein in Retinal Ganglion Cell Death After Ischemia/Reperfusion Injury. Investigative Ophthalmology and Visual Science, 2015, 56, 221-231.	3.3	51
27	Semiquantitative Optic Nerve Grading Scheme for Determining Axonal Loss in Experimental Optic Neuropathy. , 2006, 47, 634.		50
28	Increased Expression of Serum Amyloid A in Glaucoma and Its Effect on Intraocular Pressure. , 2008, 49, 1916.		50
29	Acute effects of glaucoma medications on rat intraocular pressure. Experimental Eye Research, 2005, 80, 207-214.	2.6	46
30	Involvement of AP-1 in Interleukin-1Î±â€“Stimulated MMP-3 Expression in Human Trabecular Meshwork Cells. , 2003, 44, 3494.		44
31	Aqueous Outflowâ€“Enhancing Effect oftert-Butylhydroquinone: Involvement of AP-1 Activation and MMP-3 Expression. , 2003, 44, 3502.		42
32	Elevation of intraocular pressure in rodents using viral vectors targeting the trabecular meshwork. Experimental Eye Research, 2015, 141, 33-41.	2.6	37
33	Inducible nitric oxide synthase, Nos2, does not mediate optic neuropathy and retinopathy in the DBA/2J glaucoma model. BMC Neuroscience, 2007, 8, 108.	1.9	35
34	Caspase-7: a critical mediator of optic nerve injury-induced retinal ganglion cell death. Molecular Neurodegeneration, 2015, 10, 40.	10.8	35
35	TGF-Î²2â€“Mediated Ocular Hypertension Is Attenuated in SPARC-Null Mice. , 2014, 55, 4084.		34
36	Protective effect of a JNK inhibitor against retinal ganglion cell loss induced by acute moderate ocular hypertension. Molecular Vision, 2011, 17, 864-75.	1.1	34

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37	Human Ocular Perfusion Organ Culture: A Versatile Ex Vivo Model for Glaucoma Research. Journal of Glaucoma, 2000, 9, 468-479.	1.6	31
38	Comparison of expression profile of neurotrophins and their receptors in primary and transformed rat retinal ganglion cells. Molecular Vision, 2007, 13, 1311-8.	1.1	28
39	Neuroprotective Effects of C-Type Natriuretic Peptide on Rat Retinal Ganglion Cells. , 2010, 51, 3544.		26
40	Effect of immunomodulation with anti-CD40L antibody on adenoviral-mediated transgene expression in mouse anterior segment. Molecular Vision, 2008, 14, 10-9.	1.1	26
41	sCD44 overexpression increases intraocular pressure and aqueous outflow resistance. Molecular Vision, 2013, 19, 2151-64.	1.1	23
42	Advances in glaucoma therapeutics. Expert Opinion on Emerging Drugs, 2002, 7, 141-163.	2.4	20
43	Evaluation of monkey intraocular pressure by rebound tonometer. Molecular Vision, 2009, 15, 2196-201.	1.1	20
44	Challenges in the development of glaucoma neuroprotection therapy. Cell and Tissue Research, 2013, 353, 253-260.	2.9	19
45	Ocular Hypotensive and Aqueous Outflow-enhancing Effects of AL-3037A (Sodium Ferri) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5	2.6	18
46	Characterization of intraocular pressure responses of the Tibetan monkey (Macaca thibetana). Molecular Vision, 2011, 17, 1405-13.	1.1	18
47	In vivo optimization of 2,3-diaminopyrazine Rho Kinase inhibitors for the treatment of glaucoma. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 1875-1879.	2.2	17
48	Non-continuous measurement of intraocular pressure in laboratory animals. Experimental Eye Research, 2015, 141, 74-90.	2.6	16
49	Rapid repeatable inÂvivo detection of retinal reactive oxygen species. Experimental Eye Research, 2017, 161, 71-81.	2.6	16
50	Cataract Preventive Role of Isolated Phytoconstituents: Findings from a Decade of Research. Nutrients, 2018, 10, 1580.	4.1	16
51	A new method and device to induce transient retinal ischemia in the rat. Current Eye Research, 2002, 24, 458-464.	1.5	15
52	Identification of PDE6D as a Molecular Target of Anecortave Acetate via a Methotrexate-Anchored Yeast Three-Hybrid Screen. ACS Chemical Biology, 2013, 8, 549-558.	3.4	15
53	Effects of Lentivirus-Mediated C3 Expression on Trabecular Meshwork Cells and Intraocular Pressure. , 2018, 59, 4937.		14
54	Measurement of mouse intraocular pressure with the Tono-Pen. Experimental Eye Research, 2005, 81, 359-360.	2.6	13

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55	Effect of Histamine on Phosphoinositide Turnover and Intracellular Calcium in Human Ciliary Muscle Cells. Experimental Eye Research, 1996, 62, 511-520.	2.6	10
56	Human conjunctival epithelial cell responses to platelet-activating factor (PAF): signal transduction and release of proinflammatory cytokines. Molecular Vision, 2009, 15, 1153-61.	1.1	9
57	Effects of TAK-639, a novel topical C-type natriuretic peptide analog, on intraocular pressure and aqueous humor dynamics in mice. Experimental Eye Research, 2019, 188, 107763.	2.6	7
58	IOP as a Target â€“ Inflow and Outflow Pathways. , 2008, , 45-67.		6
59	Assessment of Aqueous Humor Dynamics in the Rodent by Constant Flow Infusion. Methods in Molecular Biology, 2018, 1695, 109-120.	0.9	6
60	Lentiviral vector-mediated expression of C3 transferase attenuates retinal ischemia and reperfusion injury in rats. Life Sciences, 2021, 272, 119269.	4.3	6
61	Early phosphoproteomic changes in the retina following optic nerve crush. Experimental Neurology, 2020, 334, 113481.	4.1	5
62	Nonprimate Models for Glaucoma Retinopathy and Optic Neuropathy. Neuromethods, 2010, , 139-164.	0.3	1
63	Myelination transition zone astrocytes: a novel cell type in the optic nerve with a putative role in glaucoma. Expert Review of Ophthalmology, 2011, 6, 291-294.	0.6	0
64	Novel Therapeutic Targets for Glaucoma: Disease Modification Treatment, Neuroprotection, and Neuroregeneration. , 2019, , 147-176.		0