

# Iok-Hou Pang

## List of Publications by Year in descending order

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64  
papers

3,895  
citations

257450

24  
h-index

233421

45  
g-index

67  
all docs

67  
docs citations

67  
times ranked

3444  
citing authors

#	ARTICLE	IF	CITATIONS
1	Lentiviral vector-mediated expression of C3 transferase attenuates retinal ischemia and reperfusion injury in rats. <i>Life Sciences</i> , 2021, 272, 119269.	4.3	6
2	Inducible rodent models of glaucoma. <i>Progress in Retinal and Eye Research</i> , 2020, 75, 100799.	15.5	79
3	Early phosphoproteomic changes in the retina following optic nerve crush. <i>Experimental Neurology</i> , 2020, 334, 113481.	4.1	5
4	Effects of TAK-639, a novel topical C-type natriuretic peptide analog, on intraocular pressure and aqueous humor dynamics in mice. <i>Experimental Eye Research</i> , 2019, 188, 107763.	2.6	7
5	Novel Therapeutic Targets for Glaucoma: Disease Modification Treatment, Neuroprotection, and Neuroregeneration. , 2019, , 147-176.		0
6	Assessment of Aqueous Humor Dynamics in the Rodent by Constant Flow Infusion. <i>Methods in Molecular Biology</i> , 2018, 1695, 109-120.	0.9	6
7	Effects of Lentivirus-Mediated C3 Expression on Trabecular Meshwork Cells and Intraocular Pressure. , 2018, 59, 4937.		14
8	Cataract Preventive Role of Isolated Phytoconstituents: Findings from a Decade of Research. <i>Nutrients</i> , 2018, 10, 1580.	4.1	16
9	Rapid repeatable in vivo detection of retinal reactive oxygen species. <i>Experimental Eye Research</i> , 2017, 161, 71-81.	2.6	16
10	Involvement of Nrf2 in Ocular Diseases. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-18.	4.0	61
11	In vitro and in vivo neuroprotective effects of cJun N-terminal kinase inhibitors on retinal ganglion cells. <i>Molecular Neurodegeneration</i> , 2016, 11, 30.	10.8	58
12	The novel triterpenoid RTA 408 protects human retinal pigment epithelial cells against H <sub>2</sub> O <sub>2</sub> -induced cell injury via NF-E2-related factor 2 (Nrf2) activation. <i>Redox Biology</i> , 2016, 8, 98-109.	9.0	57
13	Role of C/EBP Homologous Protein in Retinal Ganglion Cell Death After Ischemia/Reperfusion Injury. <i>Investigative Ophthalmology and Visual Science</i> , 2015, 56, 221-231.	3.3	51
14	Strain and Age Effects on Aqueous Humor Dynamics in the Mouse. , 2015, 56, 5764.		53
15	Elevation of intraocular pressure in rodents using viral vectors targeting the trabecular meshwork. <i>Experimental Eye Research</i> , 2015, 141, 33-41.	2.6	37
16	Caspase-7: a critical mediator of optic nerve injury-induced retinal ganglion cell death. <i>Molecular Neurodegeneration</i> , 2015, 10, 40.	10.8	35
17	Non-continuous measurement of intraocular pressure in laboratory animals. <i>Experimental Eye Research</i> , 2015, 141, 74-90.	2.6	16
18	In vivo optimization of 2,3-diaminopyrazine Rho Kinase inhibitors for the treatment of glaucoma. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 1875-1879.	2.2	17

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19	TGF- $\beta$ 2-Mediated Ocular Hypertension Is Attenuated in SPARC-Null Mice. , 2014, 55, 4084.		34
20	Challenges in the development of glaucoma neuroprotection therapy. Cell and Tissue Research, 2013, 353, 253-260.	2.9	19
21	Proximal inhibition of p38 MAPK stress signaling prevents distal axonopathy. Neurobiology of Disease, 2013, 59, 26-37.	4.4	65
22	Identification of PDE6D as a Molecular Target of Anecortave Acetate <i>via</i> a Methotrexate-Anchored Yeast Three-Hybrid Screen. ACS Chemical Biology, 2013, 8, 549-558.	3.4	15
23	Exon-level expression profiling of ocular tissues. Experimental Eye Research, 2013, 111, 105-111.	2.6	94
24	sCD44 overexpression increases intraocular pressure and aqueous outflow resistance. Molecular Vision, 2013, 19, 2151-64.	1.1	23
25	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
26	Microbead-Induced Ocular Hypertensive Mouse Model for Screening and Testing of Aqueous Production Suppressants for Glaucoma. , 2012, 53, 3733.		65
27	Existence of the Canonical Wnt Signaling Pathway in the Human Trabecular Meshwork. , 2012, 53, 7043.		70
28	JNK2 and JNK3 are major regulators of axonal injury-induced retinal ganglion cell death. Neurobiology of Disease, 2012, 46, 393-401.	4.4	127
29	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
30	Assessment of Aqueous Humor Dynamics in the Mouse by a Novel Method of Constant-Flow Infusion. , 2011, 52, 685.		98
31	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
32	Characterization of intraocular pressure responses of the Tibetan monkey ( <i>Macaca thibetana</i> ). Molecular Vision, 2011, 17, 1405-13.	1.1	18
33	Neuroprotective Effects of C-Type Natriuretic Peptide on Rat Retinal Ganglion Cells. , 2010, 51, 3544.		26
34	Adenoviral Gene Transfer of Active Human Transforming Growth Factor- $\beta$ 2 Elevates Intraocular Pressure and Reduces Outflow Facility in Rodent Eyes. , 2010, 51, 2067.		189
35	Nonprimate Models for Glaucoma Retinopathy and Optic Neuropathy. Neuromethods, 2010, , 139-164.	0.3	1
36	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

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37	Evaluation of monkey intraocular pressure by rebound tonometer. <i>Molecular Vision</i> , 2009, 15, 2196-201.	1.1	20
38	Increased Expression of Serum Amyloid A in Glaucoma and Its Effect on Intraocular Pressure. , 2008, 49, 1916.		50
39	IOP as a Target " Inflow and Outflow Pathways. , 2008, , 45-67.		6
40	Increased expression of the WNT antagonist sFRP-1 in glaucoma elevates intraocular pressure. <i>Journal of Clinical Investigation</i> , 2008, 118, 1056-64.	8.2	143
41	Effect of immunomodulation with anti-CD40L antibody on adenoviral-mediated transgene expression in mouse anterior segment. <i>Molecular Vision</i> , 2008, 14, 10-9.	1.1	26
42	Glaucoma-causing myocilin mutants require the Peroxisomal targeting signal-1 receptor (PTS1R) to elevate intraocular pressure. <i>Human Molecular Genetics</i> , 2007, 16, 609-617.	2.9	101
43	Rodent Models for Glaucoma Retinopathy and Optic Neuropathy. <i>Journal of Glaucoma</i> , 2007, 16, 483-505.	1.6	144
44	Effects of TGF- $\beta$ 2, BMP-4, and Gremlin in the Trabecular Meshwork: Implications for Glaucoma. , 2007, 48, 1191.		203
45	Inducible nitric oxide synthase, <i>Nos2</i> , does not mediate optic neuropathy and retinopathy in the DBA/2J glaucoma model. <i>BMC Neuroscience</i> , 2007, 8, 108.	1.9	35
46	Pigment epithelium-derived factor protects retinal ganglion cells. <i>BMC Neuroscience</i> , 2007, 8, 11.	1.9	69
47	Comparison of expression profile of neurotrophins and their receptors in primary and transformed rat retinal ganglion cells. <i>Molecular Vision</i> , 2007, 13, 1311-8.	1.1	28
48	Semiquantitative Optic Nerve Grading Scheme for Determining Axonal Loss in Experimental Optic Neuropathy. , 2006, 47, 634.		50
49	TGF- $\beta$ 2-Induced Changes in Human Trabecular Meshwork: Implications for Intraocular Pressure. , 2006, 47, 226.		283
50	Dexamethasone alters F-actin architecture and promotes cross-linked actin network formation in human trabecular meshwork tissue. <i>Cytoskeleton</i> , 2005, 60, 83-95.	4.4	179
51	Noninvasive Measurement of Rodent Intraocular Pressure with a Rebound Tonometer. , 2005, 46, 4617.		204
52	Evaluation of Inducible Nitric Oxide Synthase in Glaucomatous Optic Neuropathy and Pressure-Induced Optic Nerve Damage. , 2005, 46, 1313.		88
53	Inherited glaucoma in DBA/2J mice: Pertinent disease features for studying the neurodegeneration. <i>Visual Neuroscience</i> , 2005, 22, 637-648.	1.0	355
54	Acute effects of glaucoma medications on rat intraocular pressure. <i>Experimental Eye Research</i> , 2005, 80, 207-214.	2.6	46

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55	Measurement of mouse intraocular pressure with the Tono-Pen. <i>Experimental Eye Research</i> , 2005, 81, 359-360.	2.6	13
56	Involvement of AP-1 in Interleukin-1 $\beta$ -stimulated MMP-3 Expression in Human Trabecular Meshwork Cells. , 2003, 44, 3494.		44
57	Aqueous Outflow-enhancing Effect of tert-Butylhydroquinone: Involvement of AP-1 Activation and MMP-3 Expression. , 2003, 44, 3502.		42
58	Expression of Matrix Metalloproteinases and Their Inhibitors in Human Trabecular Meshwork Cells. , 2003, 44, 3485.		61
59	A new method and device to induce transient retinal ischemia in the rat. <i>Current Eye Research</i> , 2002, 24, 458-464.	1.5	15
60	Advances in glaucoma therapeutics. <i>Expert Opinion on Emerging Drugs</i> , 2002, 7, 141-163.	2.4	20
61	Ocular Hypotensive and Aqueous Outflow-enhancing Effects of AL-3037A (Sodium Ferri) Tj ETQq1 1 0.784314 rgBTJ /Overlock 10 Tf 50 5	2.6	18
62	Human Ocular Perfusion Organ Culture: A Versatile Ex Vivo Model for Glaucoma Research. <i>Journal of Glaucoma</i> , 2000, 9, 468-479.	1.6	31
63	Effect of Histamine on Phosphoinositide Turnover and Intracellular Calcium in Human Ciliary Muscle Cells. <i>Experimental Eye Research</i> , 1996, 62, 511-520.	2.6	10
64	Preliminary characterization of a transformed cell strain derived from human trabecular meshwork. <i>Current Eye Research</i> , 1994, 13, 51-63.	1.5	128