

Abbot F Clark

List of Publications by Year in descending order

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173
papers

11,654
citations

47409

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54771

88
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174
all docs

174
docs citations

174
times ranked

8026
citing authors

#	ARTICLE	IF	CITATIONS
1	Matrix Mechanotransduction via Yes-Associated Protein in Human Lamina Cribrosa Cells in Glaucoma. , 2022, 63, 16.		17
2	Consensus Recommendation for Mouse Models of Ocular Hypertension to Study Aqueous Humor Outflow and Its Mechanisms. , 2022, 63, 12.		20
3	ID1 and ID3 are Negative Regulators of TGF β 2-Induced Ocular Hypertension and Compromised Aqueous Humor Outflow Facility in Mice. , 2021, 62, 3.		10
4	Mirna Expression in Glaucomatous and TGF β 2 Treated Lamina Cribrosa Cells. International Journal of Molecular Sciences, 2021, 22, 6178.	1.8	2
5	The Canonical Wnt Signaling Pathway Inhibits the Glucocorticoid Receptor Signaling Pathway in the Trabecular Meshwork. American Journal of Pathology, 2021, 191, 1020-1035.	1.9	18
6	Inducible rodent models of glaucoma. Progress in Retinal and Eye Research, 2020, 75, 100799.	7.3	79
7	Reduced Oxidative Phosphorylation and Increased Glycolysis in Human Glaucoma Lamina Cribrosa Cells. , 2020, 61, 4.		13
8	CNS axonal degeneration and transport deficits at the optic nerve head precede structural and functional loss of retinal ganglion cells in a mouse model of glaucoma. Molecular Neurodegeneration, 2020, 15, 48.	4.4	45
9	Glucocorticoid-induced ocular hypertension: origins and new approaches to minimize. Expert Review of Ophthalmology, 2020, 15, 145-157.	0.3	2
10	Isolation and characterization of human optic nerve head astrocytes and lamina cribrosa cells. Experimental Eye Research, 2020, 197, 108103.	1.2	14
11	Glucocorticoid Receptor Transactivation Is Required for Glucocorticoid-Induced Ocular Hypertension and Glaucoma. , 2019, 60, 1967.		29
12	Glucocorticoid receptor GR β 2 regulates glucocorticoid-induced ocular hypertension in mice. Scientific Reports, 2018, 8, 862.	1.6	22
13	Knockout of tissue transglutaminase ameliorates TGF β 2-induced ocular hypertension: A novel therapeutic target for glaucoma?. Experimental Eye Research, 2018, 171, 106-110.	1.2	16
14	The Role of Wnt/ β -Catenin Signaling and K-Cadherin in the Regulation of Intraocular Pressure. , 2018, 59, 1454.		38
15	Establishment of a conditionally immortalized mouse optic nerve astrocyte line. Experimental Eye Research, 2018, 176, 188-195.	1.2	11
16	Increased Substrate Stiffness Elicits a Myofibroblastic Phenotype in Human Lamina Cribrosa Cells. , 2018, 59, 803.		21
17	BMP and Activin Membrane Bound Inhibitor Regulates the Extracellular Matrix in the Trabecular Meshwork. , 2018, 59, 2154.		27
18	Histological investigation of human glaucomatous eyes: Extracellular fibrotic changes and galectin 3 expression in the trabecular meshwork and optic nerve head. Clinical Anatomy, 2018, 31, 1031-1049.	1.5	23

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19	Cross-linked actin networks (CLANs) in glaucoma. <i>Experimental Eye Research</i> , 2017, 159, 16-22.	1.2	50
20	Dexamethasone-Induced Ocular Hypertension in Mice. <i>American Journal of Pathology</i> , 2017, 187, 713-723.	1.9	64
21	Rapid repeatable in vivo detection of retinal reactive oxygen species. <i>Experimental Eye Research</i> , 2017, 161, 71-81.	1.2	16
22	CRISPR-Cas9-based treatment of myocilin-associated glaucoma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 11199-11204.	3.3	137
23	Anterior chamber perfusion versus posterior chamber perfusion does not influence measurement of aqueous outflow facility in living mice by constant flow infusion. <i>Experimental Eye Research</i> , 2017, 164, 95-108.	1.2	5
24	Increased synthesis and deposition of extracellular matrix proteins leads to endoplasmic reticulum stress in the trabecular meshwork. <i>Scientific Reports</i> , 2017, 7, 14951.	1.6	69
25	The many faces of the trabecular meshwork cell. <i>Experimental Eye Research</i> , 2017, 158, 112-123.	1.2	181
26	A Comparison of Gene Expression Profiles between Glucocorticoid Responder and Non-Responder Bovine Trabecular Meshwork Cells Using RNA Sequencing. <i>PLoS ONE</i> , 2017, 12, e0169671.	1.1	21
27	Tissue Transglutaminase Elevates Intraocular Pressure in Mice. , 2017, 58, 6197.		20
28	Role of ID Proteins in BMP4 Inhibition of Profibrotic Effects of TGF β 2 in Human TM Cells. , 2017, 58, 849.		21
29	Crosstalk Between Transforming Growth Factor Beta-2 and Toll-Like Receptor 4 in the Trabecular Meshwork. , 2017, 58, 1811.		41
30	TGF β 2 Induces the Formation of Cross-Linked Actin Networks (CLANs) in Human Trabecular Meshwork Cells Through the Smad and Non-Smad Dependent Pathways. , 2017, 58, 1288.		55
31	HDAC Inhibitor-Mediated Epigenetic Regulation of Glaucoma-Associated TGF β 2 in the Trabecular Meshwork. , 2016, 57, 3698.		16
32	Hypoxia-Induced Changes in DNA Methylation Alter RASAL1 and TGF β 1 Expression in Human Trabecular Meshwork Cells. <i>PLoS ONE</i> , 2016, 11, e0153354.	1.1	40
33	Human trabecular meshwork cells express BMP antagonist mRNAs and proteins. <i>Experimental Eye Research</i> , 2016, 147, 156-160.	1.2	18
34	Crosstalk between TGF β 2 and Wnt signaling pathways in the human trabecular meshwork. <i>Experimental Eye Research</i> , 2016, 148, 97-102.	1.2	46
35	Increased Global DNA Methylation and Decreased TGF β 1 Promoter Methylation in Glaucomatous Lamina Cribrosa Cells. <i>Journal of Glaucoma</i> , 2016, 25, e834-e842.	0.8	22
36	Identification and localization of lamina cribrosa cells in the human optic nerve head. <i>Experimental Eye Research</i> , 2016, 147, 94-97.	1.2	27

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37	C1q propagates microglial activation and neurodegeneration in the visual axis following retinal ischemia/reperfusion injury. <i>Molecular Neurodegeneration</i> , 2016, 11, 24.	4.4	65
38	In vitro and in vivo neuroprotective effects of cJun N-terminal kinase inhibitors on retinal ganglion cells. <i>Molecular Neurodegeneration</i> , 2016, 11, 30.	4.4	58
39	The novel triterpenoid RTA 408 protects human retinal pigment epithelial cells against H2O2-induced cell injury via NF-E2-related factor 2 (Nrf2) activation. <i>Redox Biology</i> , 2016, 8, 98-109.	3.9	57
40	Introduction to EER Special Issue on ocular fibrosis. <i>Experimental Eye Research</i> , 2016, 142, 1.	1.2	1
41	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
42	Gremlin Induces Ocular Hypertension in Mice Through Smad3-Dependent Signaling. , 2015, 56, 5485.		31
43	Strain and Age Effects on Aqueous Humor Dynamics in the Mouse. , 2015, 56, 5764.		53
44	Increased Endoplasmic Reticulum Stress in Human Glaucomatous Trabecular Meshwork Cells and Tissues. , 2015, 56, 3860.		69
45	Animal models of glucocorticoid-induced glaucoma. <i>Experimental Eye Research</i> , 2015, 141, 15-22.	1.2	64
46	Elevation of intraocular pressure in rodents using viral vectors targeting the trabecular meshwork. <i>Experimental Eye Research</i> , 2015, 141, 33-41.	1.2	37
47	Caspase-7: a critical mediator of optic nerve injury-induced retinal ganglion cell death. <i>Molecular Neurodegeneration</i> , 2015, 10, 40.	4.4	35
48	Introduction to special issue on glaucomatous optic neuropathy: In vivo models and techniques. <i>Experimental Eye Research</i> , 2015, 141, 1-2.	1.2	3
49	A Useful Mouse Model of Glucocorticoid-Induced Ocular Hypertension. , 2014, 55, 4934.		1
50	The Role of TGF- β 2 and Bone Morphogenetic Proteins in the Trabecular Meshwork and Glaucoma. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 2014, 30, 154-162.	0.6	103
51	Role of the Alternatively Spliced Glucocorticoid Receptor Isoform GR β in Steroid Responsiveness and Glaucoma. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 2014, 30, 121-127.	0.6	25
52	Lysyl Oxidases in the Trabecular Meshwork. <i>Journal of Glaucoma</i> , 2014, 23, S55-S58.	0.8	28
53	Monitoring Retinal Morphologic and Functional Changes in Mice Following Optic Nerve Crush. , 2014, 55, 3766.		101
54	Sigma-1 receptor stimulation protects retinal ganglion cells from ischemia-like insult through the activation of extracellular-signal-regulated kinases 1/2. <i>Experimental Eye Research</i> , 2014, 128, 156-169.	1.2	27

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55	Optic nerve crush induces spatial and temporal gene expression patterns in retina and optic nerve of BALB/cj mice. <i>Molecular Neurodegeneration</i> , 2014, 9, 14.	4.4	26
56	Ocular-specific ER stress reduction rescues glaucoma in murine glucocorticoid-induced glaucoma. <i>Journal of Clinical Investigation</i> , 2014, 124, 1956-1965.	3.9	133
57	Progressive morphological changes and impaired retinal function associated with temporal regulation of gene expression after retinal ischemia/reperfusion injury in mice. <i>Molecular Neurodegeneration</i> , 2013, 8, 21.	4.4	75
58	Sigma-1 receptor stimulation attenuates calcium influx through activated L-type Voltage Gated Calcium Channels in purified retinal ganglion cells. <i>Experimental Eye Research</i> , 2013, 107, 21-31.	1.2	55
59	Gremlin utilizes canonical and non-canonical TGF β 2 signaling to induce lysyl oxidase (LOX) genes in human trabecular meshwork cells. <i>Experimental Eye Research</i> , 2013, 113, 117-127.	1.2	29
60	Elevated maxi-K+ ion channel current in glaucomatous lamina cribrosa cells. <i>Experimental Eye Research</i> , 2013, 115, 224-229.	1.2	11
61	Smad3 is necessary for transforming growth factor-beta2 induced ocular hypertension in mice. <i>Experimental Eye Research</i> , 2013, 116, 419-423.	1.2	57
62	Exon-level expression profiling of ocular tissues. <i>Experimental Eye Research</i> , 2013, 111, 105-111.	1.2	94
63	Effects of Thailanstatins on Glucocorticoid Response in Trabecular Meshwork and Steroid-Induced Glaucoma. , 2013, 54, 3137.		13
64	Transforming Growth Factor- β 2 Induces Expression of Biologically Active Bone Morphogenetic Protein-1 in Human Trabecular Meshwork Cells. , 2013, 54, 4741.		22
65	Cellular Fibronectin Expression in Human Trabecular Meshwork and Induction by Transforming Growth Factor- β 2. , 2013, 54, 6779.		71
66	A Magnetic Bead-Based Method for Mouse Trabecular Meshwork Cell Isolation. , 2013, 54, 3600.		32
67	Anti-Connective Tissue Growth Factor Antibody Treatment Reduces Extracellular Matrix Production in Trabecular Meshwork and Lamina Cribrosa Cells. , 2013, 54, 7836.		56
68	A Genome-Wide Association Study for Primary Open Angle Glaucoma and Macular Degeneration Reveals Novel Loci. <i>PLoS ONE</i> , 2013, 8, e58657.	1.1	35
69	The effect of postmortem time on the RNA quality of human ocular tissues. <i>Molecular Vision</i> , 2013, 19, 1290-5.	1.1	15
70	sCD44 overexpression increases intraocular pressure and aqueous outflow resistance. <i>Molecular Vision</i> , 2013, 19, 2151-64.	1.1	23
71	Fluorescent Protein- α -Labeled Glucocorticoid Receptor alpha Isoform Trafficking in Cultured Human Trabecular Meshwork Cells. , 2012, 53, 2938.		7
72	Focus on Molecules: Lysyl oxidase. <i>Experimental Eye Research</i> , 2012, 104, 97-98.	1.2	20

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73	Characterization of a spontaneously immortalized bovine trabecular meshwork cell line. <i>Experimental Eye Research</i> , 2012, 105, 53-59.	1.2	20
74	SFRP1 promoter methylation and expression in human trabecular meshwork cells. <i>Experimental Eye Research</i> , 2012, 97, 130-136.	1.2	16
75	Mutant human myocilin induces strain specific differences in ocular hypertension and optic nerve damage in mice. <i>Experimental Eye Research</i> , 2012, 100, 65-72.	1.2	61
76	Existence of the Canonical Wnt Signaling Pathway in the Human Trabecular Meshwork. , 2012, 53, 7043.		70
77	Spliceosome Protein (SRp) Regulation of Glucocorticoid Receptor Isoforms and Glucocorticoid Response in Human Trabecular Meshwork Cells. , 2012, 53, 857.		40
78	The Cell and Molecular Biology of Glaucoma: Biomechanical Factors in Glaucoma. , 2012, 53, 2473.		30
79	JNK2 and JNK3 are major regulators of axonal injury-induced retinal ganglion cell death. <i>Neurobiology of Disease</i> , 2012, 46, 393-401.	2.1	127
80	Radiation treatment inhibits monocyte entry into the optic nerve head and prevents neuronal damage in a mouse model of glaucoma. <i>Journal of Clinical Investigation</i> , 2012, 122, 1246-1261.	3.9	192
81	Proteomic similarities in steroid responsiveness in normal and glaucomatous trabecular meshwork cells. <i>Molecular Vision</i> , 2012, 18, 2001-11.	1.1	31
82	Focus on Molecules: Transglutaminase 2. <i>Experimental Eye Research</i> , 2011, 93, 2-3.	1.2	16
83	Transforming growth factor-beta2 utilizes the canonical Smad-signaling pathway to regulate tissue transglutaminase expression in human trabecular meshwork cells. <i>Experimental Eye Research</i> , 2011, 93, 442-451.	1.2	74
84	Perfusion-Cultured Bovine Anterior Segments as an Ex Vivo Model for Studying Glucocorticoid-Induced Ocular Hypertension and Glaucoma. , 2011, 52, 8068.		54
85	Assessment of Aqueous Humor Dynamics in the Mouse by a Novel Method of Constant-Flow Infusion. , 2011, 52, 685.		98
86	Transforming Growth Factor β 2 Induces Extracellular Matrix Protein Cross-Linking Lysyl Oxidase (<i>LOX</i>) Genes in Human Trabecular Meshwork Cells. , 2011, 52, 5240.		172
87	Connective Tissue Growth Factor Is Increased in Pseudoexfoliation Glaucoma. , 2011, 52, 3660.		86
88	Role of TGF β 2/Smad Signaling in Gremlin Induction of Human Trabecular Meshwork Extracellular Matrix Proteins. , 2011, 52, 5251.		82
89	Inducers of Cross-Linked Actin Networks in Trabecular Meshwork Cells. , 2011, 52, 7316.		56
90	Molecular clustering identifies complement and endothelin induction as early events in a mouse model of glaucoma. <i>Journal of Clinical Investigation</i> , 2011, 121, 1429-1444.	3.9	388

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91	Reduction of ER stress via a chemical chaperone prevents disease phenotypes in a mouse model of primary open angle glaucoma. <i>Journal of Clinical Investigation</i> , 2011, 121, 3542-3553.	3.9	249
92	Functional analysis of disease-associated polymorphism LRP5.Q89R. <i>Molecular Vision</i> , 2011, 17, 894-902.	1.1	5
93	Transforming growth factor- β 2 increases extracellular matrix proteins in optic nerve head cells via activation of the Smad signaling pathway. <i>Molecular Vision</i> , 2011, 17, 1745-58.	1.1	61
94	Benzothiophene containing Rho kinase inhibitors: Efficacy in an animal model of glaucoma. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 3361-3366.	1.0	23
95	Adenoviral Gene Transfer of Active Human Transforming Growth Factor- β 2 Elevates Intraocular Pressure and Reduces Outflow Facility in Rodent Eyes. , 2010, 51, 2067.		189
96	Cross-linked actin networks (CLANs) are present in lamina cribrosa cells. <i>British Journal of Ophthalmology</i> , 2010, 94, 1388-1392.	2.1	26
97	Assessment of SNPs associated with the human glucocorticoid receptor in primary open-angle glaucoma and steroid responders. <i>Molecular Vision</i> , 2010, 16, 596-601.	1.1	18
98	Activation of Stretch-Activated Channels and Maxi-K ⁺ Channels by Membrane Stress of Human Lamina Cribrosa Cells. , 2009, 50, 194.		23
99	Cross-Linked Actin Networks (CLANs) in the Trabecular Meshwork of the Normal and Glaucomatous Human Eye In Situ. , 2009, 50, 1255.		96
100	Bone morphogenetic protein 4 inhibits TGF β 2 stimulation of extracellular matrix proteins in optic nerve head cells: Role of gremlin in ECM modulation. <i>Glia</i> , 2009, 57, 755-766.	2.5	66
101	The role of steroids in outflow resistance. <i>Experimental Eye Research</i> , 2009, 88, 752-759.	1.2	202
102	Differential global and extra-cellular matrix focused gene expression patterns between normal and glaucomatous human lamina cribrosa cells. <i>Molecular Vision</i> , 2009, 15, 76-88.	1.1	56
103	Focus on Molecules: Gremlin. <i>Experimental Eye Research</i> , 2008, 87, 78-79.	1.2	47
104	Increased Expression of Serum Amyloid A in Glaucoma and Its Effect on Intraocular Pressure. , 2008, 49, 1916.		50
105	FK506-Binding Protein 51 Regulates Nuclear Transport of the Glucocorticoid Receptor β 2 and Glucocorticoid Responsiveness. , 2008, 49, 1037.		103
106	Chapter 13 Outflow Signaling Mechanisms and New Therapeutic Strategies for the Control of Intraocular Pressure. <i>Current Topics in Membranes</i> , 2008, 62, 427-469.	0.5	1
107	Tissue Transglutaminase Expression and Activity in Normal and Glaucomatous Human Trabecular Meshwork Cells and Tissues. , 2008, 49, 622.		91
108	Increased expression of the WNT antagonist sFRP-1 in glaucoma elevates intraocular pressure. <i>Journal of Clinical Investigation</i> , 2008, 118, 1056-64.	3.9	143

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109	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
110	TRANSCRIPT ANNOTATION PRIORITIZATION AND SCREENING SYSTEM (TrAPSS) FOR MUTATION SCREENING. <i>Journal of Bioinformatics and Computational Biology</i> , 2007, 05, 1155-1172.	0.3	1
111	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.	1.4	101
112	Rodent Models for Glaucoma Retinopathy and Optic Neuropathy. <i>Journal of Glaucoma</i> , 2007, 16, 483-505.	0.8	144
113	Fibulin-5 distribution in human eyes: Relevance to age-related macular degeneration. <i>Experimental Eye Research</i> , 2007, 84, 378-380.	1.2	38
114	Dexamethasone inhibition of trabecular meshwork cell phagocytosis and its modulation by glucocorticoid receptor β . <i>Experimental Eye Research</i> , 2007, 84, 275-284.	1.2	142
115	Bone Morphogenetic Proteins and Their Receptors in the Eye. <i>Experimental Biology and Medicine</i> , 2007, 232, 979-992.	1.1	85
116	Activation of the BMP Canonical Signaling Pathway in Human Optic Nerve Head Tissue and Isolated Optic Nerve Head Astrocytes and Lamina Cribrosa Cells. , 2007, 48, 5058.		17
117	Effects of TGF- β 2, BMP-4, and Gremlin in the Trabecular Meshwork: Implications for Glaucoma. , 2007, 48, 1191.		203
118	Pigment epithelium-derived factor protects retinal ganglion cells. <i>BMC Neuroscience</i> , 2007, 8, 11.	0.8	69
119	Expression of ciliary neurotrophic factor (CNTF) and its tripartite receptor complex by cells of the human optic nerve head. <i>Molecular Vision</i> , 2007, 13, 758-63.	1.1	16
120	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
121	Freeze-fracture examination of cultured human trabecular meshwork cells: Effect of dexamethasone. <i>Experimental Eye Research</i> , 2006, 82, 994-1001.	1.2	15
122	Heat Shock Protein 90 Is an Essential Molecular Chaperone for Nuclear Transport of Glucocorticoid Receptor β . , 2006, 47, 700.		32
123	Semiquantitative Optic Nerve Grading Scheme for Determining Axonal Loss in Experimental Optic Neuropathy. , 2006, 47, 634.		50
124	Prioritizing regions of candidate genes for efficient mutation screening. <i>Human Mutation</i> , 2006, 27, 195-200.	1.1	10
125	TGF β 2-Induced Changes in Human Trabecular Meshwork: Implications for Intraocular Pressure. , 2006, 47, 226.		283
126	Protein expression in a transformed trabecular meshwork cell line: proteome analysis. <i>Molecular Vision</i> , 2006, 12, 372-83.	1.1	14

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127	Gene expression profile of the adult human retinal ganglion cell layer. <i>Molecular Vision</i> , 2006, 12, 1640-8.	1.1	30
128	Importance of quantitative PCR primer location for short interfering RNA efficacy determination. <i>Analytical Biochemistry</i> , 2005, 344, 287-288.	1.1	16
129	Transforming growth factor- β -regulated gene transcription and protein expression in human GFAP-negative lamina cribrosa cells. <i>Glia</i> , 2005, 52, 309-324.	2.5	88
130	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
131	Regulation of Glucocorticoid Responsiveness in Glaucomatous Trabecular Meshwork Cells by Glucocorticoid Receptor- β . , 2005, 46, 4607.		64
132	Noninvasive Measurement of Rodent Intraocular Pressure with a Rebound Tonometer. , 2005, 46, 4617.		204
133	Evaluation of Inducible Nitric Oxide Synthase in Glaucomatous Optic Neuropathy and Pressure-Induced Optic Nerve Damage. , 2005, 46, 1313.		88
134	Soluble CD44 Is Cytotoxic to Trabecular Meshwork and Retinal Ganglion Cells In Vitro. , 2005, 46, 214.		53
135	Inherited glaucoma in DBA/2J mice: Pertinent disease features for studying the neurodegeneration. <i>Visual Neuroscience</i> , 2005, 22, 637-648.	0.5	355
136	Acute effects of glaucoma medications on rat intraocular pressure. <i>Experimental Eye Research</i> , 2005, 80, 207-214.	1.2	46
137	Measurement of mouse intraocular pressure with the Tono-Pen. <i>Experimental Eye Research</i> , 2005, 81, 359-360.	1.2	13
138	Influence of cyclical mechanical strain on extracellular matrix gene expression in human lamina cribrosa cells in vitro. <i>Molecular Vision</i> , 2005, 11, 798-810.	1.1	98
139	Neurotrophin and Trk expression by cells of the human lamina cribrosa following oxygen-glucose deprivation. <i>BMC Neuroscience</i> , 2004, 5, 51.	0.8	42
140	Effect of Cyclical Mechanical Stretch and Exogenous Transforming Growth Factor- β 1 on Matrix Metalloproteinase-2 Activity in Lamina Cribrosa Cells from the Human Optic Nerve Head. <i>Journal of Glaucoma</i> , 2004, 13, 327-334.	0.8	91
141	Effect of exogenous neurotrophins on Trk receptor phosphorylation, cell proliferation, and neurotrophin secretion by cells isolated from the human lamina cribrosa. <i>Molecular Vision</i> , 2004, 10, 289-96.	1.1	20
142	Ophthalmic drug discovery. <i>Nature Reviews Drug Discovery</i> , 2003, 2, 448-459.	21.5	87
143	Dexamethasone regulates endothelin-1 and endothelin receptors in human non-pigmented ciliary epithelial (HNPE) cells. <i>Experimental Eye Research</i> , 2003, 76, 261-272.	1.2	26
144	Involvement of AP-1 in Interleukin-1 β -stimulated MMP-3 Expression in Human Trabecular Meshwork Cells. , 2003, 44, 3494.		44

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145	Aqueous Outflow-Enhancing Effect of tert-Butylhydroquinone: Involvement of AP-1 Activation and MMP-3 Expression. , 2003, 44, 3502.		42
146	Expression of Matrix Metalloproteinases and Their Inhibitors in Human Trabecular Meshwork Cells. , 2003, 44, 3485.		61
147	Interactions of Endothelin-1 with Dexamethasone in Primary Cultured Human Trabecular Meshwork Cells. , 2003, 44, 5301.		25
148	Cells of the human optic nerve head express glial cell line-derived neurotrophic factor (GDNF) and the GDNF receptor complex. Molecular Vision, 2003, 9, 249-56.	1.1	17
149	Expression of bone morphogenetic proteins (BMP), BMP receptors, and BMP associated proteins in human trabecular meshwork and optic nerve head cells and tissues. Molecular Vision, 2002, 8, 241-50.	1.1	91
150	Human optic nerve head astrocytes as a target for endothelin-1. Investigative Ophthalmology and Visual Science, 2002, 43, 2704-13.	3.3	88
151	Ocular Hypotensive and Aqueous Outflow-enhancing Effects of AL-3037A (Sodium Ferri Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 5	1.2	18
152	Expression of the glaucoma gene myocilin (MYOC) in the human optic nerve head. FASEB Journal, 2001, 15, 1251-1253.	0.2	46
153	Human Ocular Perfusion Organ Culture: A Versatile Ex Vivo Model for Glaucoma Research. Journal of Glaucoma, 2000, 9, 468-479.	0.8	31
154	The Similarity of Protein Expression in Trabecular Meshwork and Lamina Cribrosa: Implications for Glaucoma. Experimental Eye Research, 2000, 70, 17-30.	1.2	37
155	Ocular angiostatic agents. Expert Opinion on Therapeutic Patents, 2000, 10, 427-448.	2.4	8
156	The use of proteomics in ophthalmic research. Pharmacogenomics, 2000, 1, 267-280.	0.6	21
157	Age-Related Permeability Changes in Rabbit Corneas. Journal of Ocular Pharmacology and Therapeutics, 1999, 15, 513-523.	0.6	28
158	Angiostatic Activity of Steroids in the Chick Embryo CAM and Rabbit Cornea Models of Neovascularization. Journal of Ocular Pharmacology and Therapeutics, 1999, 15, 413-423.	0.6	76
159	Effects of glucocorticoids on the trabecular meshwork: towards a better understanding of glaucoma. Progress in Retinal and Eye Research, 1999, 18, 629-667.	7.3	219
160	Fas-Activated Apoptosis and Apoptosis Mediators in Human Trabecular Meshwork Cells. Experimental Eye Research, 1999, 68, 583-590.	1.2	37
161	The Effect of Dexamethasone on Integrin and Laminin Expression in Cultured Human Trabecular Meshwork Cells. Experimental Eye Research, 1998, 66, 731-738.	1.2	84
162	AL-3789: a novel ophthalmic angiostatic steroid. Expert Opinion on Investigational Drugs, 1997, 6, 1867-1877.	1.9	54

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163	Identification of a Gene That Causes Primary Open Angle Glaucoma. <i>Science</i> , 1997, 275, 668-670.	6.0	1,274
164	Steroid-Induced Cataract: New Perspectives from In vitro and Lens Culture Studies. <i>Experimental Eye Research</i> , 1997, 65, 507-516.	1.2	70
165	Effects of Muscarinic Agents on Cultured Human Trabecular Meshwork Cells. <i>Experimental Eye Research</i> , 1996, 62, 201-210.	1.2	23
166	Cytoskeletal Changes in Cultured Human Glaucoma Trabecular Meshwork Cells. <i>Journal of Glaucoma</i> , 1995, 4, 183-188.	0.8	74
167	Basic Sciences in Clinical Glaucoma. <i>Journal of Glaucoma</i> , 1995, 4, 354-369.	0.8	51
168	Preliminary characterization of a transformed cell strain derived from human trabecular meshwork. <i>Current Eye Research</i> , 1994, 13, 51-63.	0.7	128
169	Electrophysiological Properties of Cultured Human Trabecular Meshwork Cells. <i>Experimental Eye Research</i> , 1994, 59, 305-311.	1.2	32
170	Dexamethasone induced ultrastructural changes in cultured human trabecular meshwork cells. <i>Current Eye Research</i> , 1993, 12, 783-793.	0.7	104
171	Angiostatic activity and metabolism of cortisol in the chorioallantoic membrane (CAM) of the chick embryo. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 1992, 42, 687-693.	1.2	32
172	Histopathologic analysis of experimental autoimmune uveitis attenuated by intracameral injection of S-antigen. <i>Current Eye Research</i> , 1989, 8, 113-121.	0.7	16
173	Induction of anterior chamber associated immune deviation in rats receiving intracameral injections of retinal S antigen. <i>Current Eye Research</i> , 1988, 7, 627-632.	0.7	15