Ernst R Tamm

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5592516/publications.pdf

Version: 2024-02-01

169 papers	8,621 citations	34016 52 h-index	54797 84 g-index

179 all docs	179 docs citations	179 times ranked	7916 citing authors

#	Article	IF	Citations
1	The trabecular meshwork outflow pathways: Structural and functional aspects. Experimental Eye Research, 2009, 88, 648-655.	1.2	403
2	Anterior eye development and ocular mesenchyme: new insights from mouse models and human diseases. BioEssays, 2004, 26, 374-386.	1.2	262
3	Gene Targeting Reveals a Widespread Role for the High-Mobility-Group Transcription Factor Sox11 in Tissue Remodeling. Molecular and Cellular Biology, 2004, 24, 6635-6644.	1.1	245
4	The role of TGF-Î² in the pathogenesis of primary open-angle glaucoma. Cell and Tissue Research, 2012, 347, 279-290.	1.5	241
5	Consensus recommendations for trabecular meshwork cell isolation, characterization and culture. Experimental Eye Research, 2018, 171, 164-173.	1.2	221
6	AlphaB-crystallin in lens development and muscle integrity: a gene knockout approach. Investigative Ophthalmology and Visual Science, 2001, 42, 2924-34.	3.3	216
7	Inactivation of the murine X-linked juvenile retinoschisis gene, Rs1h, suggests a role of retinoschisin in retinal cell layer organization and synaptic structure. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 6222-6227.	3.3	206
8	Sox10 is required for Schwann cell identity and progression beyond the immature Schwann cell stage. Journal of Cell Biology, 2010, 189, 701-712.	2.3	198
9	Myocilin and glaucoma: facts and ideas. Progress in Retinal and Eye Research, 2002, 21, 395-428.	7.3	188
10	Connective Tissue Growth Factor Causes Glaucoma by Modifying the Actin Cytoskeleton of the Trabecular Meshwork. American Journal of Pathology, 2012, 180, 2386-2403.	1.9	175
11	The Transcription Factors Sox10 and Myrf Define an Essential Regulatory Network Module in Differentiating Oligodendrocytes. PLoS Genetics, 2013, 9, e1003907.	1.5	169
12	Morphological study of the anterior segment of cynomolgus monkey eyes following treatment with prostaglandin F2Î±. Experimental Eye Research, 1988, 47, 761-769.	1.2	164
13	Bone Morphogenetic Protein-7 Is an Antagonist of Transforming Growth Factor-Î²2 in Human Trabecular Meshwork Cells. , 2007, 48, 715.		138
14	Pax6 heterozygous eyes show defects in chamber angle differentiation that are associated with a wide spectrum of other anterior eye segment abnormalities. Mechanisms of Development, 2002, 118, 3-17.	1.7	132
15	The aqueous humor outflow pathways in glaucoma: A unifying concept of disease mechanisms and causative treatment. European Journal of Pharmaceutics and Biopharmaceutics, 2015, 95, 173-181.	2.0	130
16	Age-related changes of the human ciliary muscle. A quantitative morphometric study. Mechanisms of Ageing and Development, 1992, 62, 209-221.	2.2	129
17	Norrin Mediates Neuroprotective Effects on Retinal Ganglion Cells via Activation of the Wnt/Î²-Catenin Signaling Pathway and the Induction of Neuroprotective Growth Factors in MÃ¼ller Cells. Journal of Neuroscience, 2010, 30, 5998-6010.	1.7	120
18	What Increases Outflow Resistance in Primary Open-angle Glaucoma?. Survey of Ophthalmology, 2007, 52, S101-S104.	1.7	116

#	Article	IF	Citations
19	Modulation of extracellular matrix turnover in the trabecular meshwork. Experimental Eye Research, 2009, 88, 683-688.	1.2	116
20	Sox10 is required for Schwannâ€cell homeostasis and myelin maintenance in the adult peripheral nerve. Glia, 2011, 59, 1022-1032.	2.5	113
21	Thrombospondin-1 in the trabecular meshwork: localization in normal and glaucomatous eyes, and induction by TGF-Î²1 and dexamethasone in vitro. Experimental Eye Research, 2004, 79, 649-663.	1.2	110
22	Connective tissue growth factor induces extracellular matrix deposition in human trabecular meshwork cells. Experimental Eye Research, 2009, 88, 1065-1075.	1.2	108
23	Chromatin-Remodeling Factor Brg1 Is Required for Schwann Cell Differentiation and Myelination. Developmental Cell, 2012, 23, 193-201.	3.1	107
24	Intraocular Pressure and the Mechanisms Involved in Resistance of the Aqueous Humor Flow in the Trabecular Meshwork Outflow Pathways. Progress in Molecular Biology and Translational Science, 2015, 134, 301-314.	0.9	103
25	Localization of myocilin/trabecular meshwork-inducible glucocorticoid response protein in the human eye. Investigative Ophthalmology and Visual Science, 2000, 41, 729-40.	3.3	95
26	Transforming Growth Factor-Î²1 Induces Î±-Smooth Muscle-Actin Expression in Cultured Human and Monkey Trabecular Meshwork. Experimental Eye Research, 1996, 62, 389-398.	1.2	93
27	Ectopic Norrin Induces Growth of Ocular Capillaries and Restores Normal Retinal Angiogenesis in Norrie Disease Mutant Mice. Journal of Neuroscience, 2005, 25, 1701-1710.	1.7	88
28	Biomechanical aspects of axonal damage in glaucoma: A brief review. Experimental Eye Research, 2017, 157, 13-19.	1.2	88
29	Species differences in choroidal vasodilative innervation: evidence for specific intrinsic nitrergic and VIP-positive neurons in the human eye. Investigative Ophthalmology and Visual Science, 1994, 35, 592-9.	3.3	81
30	Gene expression profiling of TGFÎ²2- and/or BMP7-treated trabecular meshwork cells: Identification of Smad7 as a critical inhibitor of TGF-Î²2 signaling. Experimental Eye Research, 2009, 88, 1020-1032.	1.2	80
31	Genetic dissection of Pax6 dosage requirements in the developing mouse eye. Human Molecular Genetics, 2005, 14, 2265-2276.	1.4	78
32	Identification of Pax6-Dependent Gene Regulatory Networks in the Mouse Lens. PLoS ONE, 2009, 4, e4159.	1.1	78
33	The role of MÃ¼ller glia and microglia in glaucoma. Cell and Tissue Research, 2013, 353, 339-345.	1.5	78
34	Age changes in rhesus monkey ciliary muscle: Light and electron microscopy. Experimental Eye Research, 1988, 47, 885-899.	1.2	77
35	Norrin Promotes Vascular Regrowth after Oxygen-Induced Retinal Vessel Loss and Suppresses Retinopathy in Mice. Journal of Neuroscience, 2010, 30, 183-193.	1.7	75
36	Age-Related Loss of Ciliary Muscle Mobility in the Rhesus Monkey. JAMA Ophthalmology, 1992, 110, 871.	2.6	74

#	Article	IF	Citations
37	Ciliary body. Microscopy Research and Technique, 1996, 33, 390-439.	1.2	73
38	Increased stiffness and flow resistance of the inner wall of Schlemmâ€™s canal in glaucomatous human eyes. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 26555-26563.	3.3	70
39	Lack of endothelial diaphragms in fenestrae and caveolae of mutant Plvap-deficient mice. Histochemistry and Cell Biology, 2012, 138, 709-724.	0.8	67
40	Abnormal Vessel Formation in the Choroid of Mice Lacking Tissue Inhibitor of Metalloprotease-3. , 2008, 49, 2812.		66
41	Norrin: Molecular and functional properties of an angiogenic and neuroprotective growth factor. Progress in Retinal and Eye Research, 2012, 31, 243-257.	7.3	66
42	Caveolin-1 modulates intraocular pressure: implications for caveolae mechanoprotection in glaucoma. Scientific Reports, 2016, 6, 37127.	1.6	65
43	Effects of elevated intraocular pressure on outflow facility and TIGR/MYOC expression in perfused human anterior segments. Investigative Ophthalmology and Visual Science, 2002, 43, 33-40.	3.3	65
44	Visualization of hyaluronic acid in the anterior segment of rabbit and monkey eyes. Experimental Eye Research, 1990, 51, 55-63.	1.2	64
45	Overexpression and Properties of Wild-Type and Tyr437His Mutated Myocilin in the Eyes of Transgenic Mice. , 2005, 46, 223.		64
46	Î©-Crystallin of the Scallop Lens. Journal of Biological Chemistry, 2000, 275, 41064-41073.	1.6	63
47	Disruption of anterior segment development by TGF-Î²1 overexpression in the eyes of transgenic mice. Developmental Dynamics, 2002, 225, 111-125.	0.8	62
48	Different collagen types define two types of idiopathic epiretinal membranes. Histopathology, 2011, 58, 953-965.	1.6	62
49	Biological aspects of axonal damage in glaucoma: A brief review. Experimental Eye Research, 2017, 157, 5-12.	1.2	61
50	Progressive Retinal Degeneration and Glial Activation in the CLN6nclf Mouse Model of Neuronal Ceroid Lipofuscinosis: A Beneficial Effect of DHA and Curcumin Supplementation. PLoS ONE, 2013, 8, e75963.	1.1	60
51	Disruption of the retinitis pigmentosa 28 gene Fam161a in mice affects photoreceptor ciliary structure and leads to progressive retinal degeneration. Human Molecular Genetics, 2014, 23, 5197-5210.	1.4	59
52	Effect of Heparin II Domain of Fibronectin on Aqueous Outflow in Cultured Anterior Segments of Human Eyes. , 2003, 44, 4796.		57
53	Ligand-functionalized nanoparticles target endothelial cells in retinal capillaries after systemic application. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 6115-6120.	3.3	57
54	Pax6 dosage requirements in iris and ciliary body differentiation. Developmental Biology, 2009, 333, 132-142.	0.9	56

#	Article	IF	Citations
55	Chromatin remodeling enzyme Brg1 is required for mouse lens fiber cell terminal differentiation and its denucleation. Epigenetics and Chromatin, 2010, 3, 21.	1.8	55
56	TGF-Â Signaling Protects Retinal Neurons from Programmed Cell Death during the Development of the Mammalian Eye. Journal of Neuroscience, 2013, 33, 14246-14258.	1.7	55
57	Latanoprost induces matrix metalloproteinaseâ€1 expression in human nonpigmented ciliary epithelial cells through a cyclooxygenaseâ€2â€dependent mechanism. FASEB Journal, 2005, 19, 1929-1931.	0.2	54
58	Contractile cells in the human scleral spur. Experimental Eye Research, 1992, 54, 531-543.	1.2	53
59	Deletion of Ocular Transforming Growth Factor Î² Signaling Mimics Essential Characteristics of Diabetic Retinopathy. American Journal of Pathology, 2015, 185, 1749-1768.	1.9	53
60	Anterior segment dysgenesis in the eyes of mice deficient for the high-mobility-group transcription factor Sox11. Experimental Eye Research, 2008, 86, 895-907.	1.2	52
61	Role of bestrophin-1 in store-operated calcium entry in retinal pigment epithelium. Pflugers Archiv European Journal of Physiology, 2013, 465, 481-495.	1.3	52
62	Formation of Fenestrae in Murine Liver Sinusoids Depends on Plasmalemma Vesicle-Associated Protein and Is Required for Lipoprotein Passage. PLoS ONE, 2014, 9, e115005.	1.1	52
63	Characterization of the MouseMyoc/TigrGene. Biochemical and Biophysical Research Communications, 1998, 245, 887-893.	1.0	51
64	Viscocanalostomy in Rhesus Monkeys. JAMA Ophthalmology, 2004, 122, 1826.	2.6	51
65	Constitutive overexpression of Norrin activates Wnt/Î²-catenin and endothelin-2 signaling to protect photoreceptors from light damage. Neurobiology of Disease, 2013, 50, 1-12.	2.1	51
66	Identification of Adult Stem Cells in Schwalbe's Line Region of the Primate Eye. , 2014, 55, 7499.		51
67	The role of plasmalemma vesicle-associated protein (PLVAP) in endothelial cells of Schlemm's canal and ocular capillaries. Experimental Eye Research, 2012, 105, 27-33.	1.2	49
68	MicroRNAs of the RPE are essential for RPE differentiation and photoreceptor maturation. Development (Cambridge), 2015, 142, 2487-98.	1.2	48
69	Sox8 and Sox10 jointly maintain myelin gene expression in oligodendrocytes. Glia, 2018, 66, 279-294.	2.5	48
70	The Class III POU Domain Protein Brn-1 Can Fully Replace the Related Oct-6 during Schwann Cell Development and Myelination. Molecular and Cellular Biology, 2005, 25, 1821-1829.	1.1	45
71	Lack of WDR36 leads to preimplantation embryonic lethality in mice and delays the formation of small subunit ribosomal RNA in human cells in vitro. Human Molecular Genetics, 2011, 20, 422-435.	1.4	45
72	Transgenic studies on the role of optineurin in the mouse eye. Experimental Eye Research, 2006, 82, 1075-1085.	1.2	43

#	Article	IF	Citations
73	Reduced expression of Pax6 in lens and cornea of mutant mice leads to failure of chamber angle development and juvenile glaucoma. Human Molecular Genetics, 2010, 19, 3332-3342.	1.4	42
74	Kidney Podocytes as Specific Targets for cyclo(RGDfC)â€Modified Nanoparticles. Small, 2012, 8, 3368-3375.	5.2	42
75	Characterization of Meibomian gland innervation in the cynomolgus monkey (Macaca fascicularis). Anatomy and Embryology, 1996, 193, 365-75.	1.5	39
76	Perfusion with the Olfactomedin Domain of Myocilin Does Not Affect Outflow Facility. , 2003, 44, 1953.		39
77	Depletion of optineurin in RGC-5 cells derived from retinal neurons causes apoptosis and reduces the secretion of neurotrophins. Experimental Eye Research, 2011, 93, 669-680.	1.2	37
78	Establishment of myelinating schwann cells and barrier integrity between central and peripheral nervous systems depend on Sox10. Glia, 2012, 60, 806-819.	2.5	36
79	The Role of Bestrophin-1 in Intracellular Ca2+ Signaling. Advances in Experimental Medicine and Biology, 2014, 801, 113-119.	0.8	35
80	Secreted glycoprotein myocilin is a component of the myelin sheath in peripheral nerves. Glia, 2003, 43, 128-140.	2.5	34
81	Tg(Grm1) transgenic mice: A murine model that mimics spontaneous uveal melanoma in humans?. Experimental Eye Research, 2014, 127, 59-68.	1.2	34
82	Age-related changes of the ciliary muscle in comparison with changes induced by treatment with prostaglandin F2Î±. An ultrastructural study in rhesus and cynomolgus monkeys. Mechanisms of Ageing and Development, 1990, 51, 101-120.	2.2	33
83	Donor corneoscleral buttons: a new source of trabecular meshwork for research. Experimental Eye Research, 2003, 77, 749-756.	1.2	32
84	Age-Related Loss of Î±-Smooth Muscle Actin in Normal and Glaucomatous Human Trabecular Mesh work of Different Age Groups. Journal of Glaucoma, 1992, 1, 165-173.	0.8	31
85	Myocilin promotes substrate adhesion, spreading and formation of focal contacts in podocytes and mesangial cells. Histochemistry and Cell Biology, 2009, 131, 167-180.	0.8	31
86	Regulation of human myocilin/TIGR gene transcription in trabecular meshwork cells and astrocytes: role of upstream stimulatory factor. Genes To Cells, 2000, 5, 661-676.	0.5	30
87	Deletion of Endothelial Transforming Growth Factorâ€“Î² Signaling Leads to Choroidal Neovascularization. American Journal of Pathology, 2017, 187, 2570-2589.	1.9	30
88	Cell cultures of human ciliary muscle: Growth, ultrastructural and immunocytochemical characteristics. Experimental Eye Research, 1991, 53, 375-387.	1.2	29
89	Rho GTPase Inactivation Impairs Lens Growth and Integrity. Laboratory Investigation, 2002, 82, 231-239.	1.7	29
90	Elevated amounts of myocilin in the aqueous humor of transgenic mice cause significant changes in ocular gene expression. Experimental Eye Research, 2008, 87, 257-267.	1.2	29

#	Article	IF	Citations
91	Rybp, a polycomb complex-associated protein, is required for mouse eye development. BMC Developmental Biology, 2007, 7, 39.	2.1	28
92	Connective tissue growth factor modulates podocyte actin cytoskeleton and extracellular matrix synthesis and is induced in podocytes upon injury. Histochemistry and Cell Biology, 2011, 136, 301-319.	0.8	28
93	Epithelialâ€“mesenchymal transition of the retinal pigment epithelium causes choriocapillaris atrophy. Histochemistry and Cell Biology, 2016, 146, 769-780.	0.8	27
94	Differential Angiogenic Properties of Lithium Chloride In Vitro and In Vivo. PLoS ONE, 2014, 9, e95546.	1.1	26
95	Chromatin remodeler Ep400 ensures oligodendrocyte survival and is required for myelination in the vertebrate central nervous system. Nucleic Acids Research, 2019, 47, 6208-6224.	6.5	26
96	Immunohistochemical localization of neuropeptides in the human ciliary ganglion. Brain Research, 1995, 681, 229-234.	1.1	24
97	Programmed Cell Death During Retinal Development of the Mouse Eye. Advances in Experimental Medicine and Biology, 2014, 801, 9-13.	0.8	22
98	N -Methyl-d-Aspartate (NMDA)-Mediated Excitotoxic Damage: A Mouse Model of Acute Retinal Ganglion Cell Damage. Methods in Molecular Biology, 2012, 935, 99-109.	0.4	21
99	Heterozygous modulation of TGF-Î² signaling does not influence MÃ¼ller glia cell reactivity or proliferation following NMDA-induced damage. Histochemistry and Cell Biology, 2015, 144, 443-455.	0.8	21
100	Anatomical study of the zygomatic and buccal branches of the facial nerve: Application to facial reanimation procedures. Clinical Anatomy, 2019, 32, 480-488.	1.5	21
101	Status and perspectives of neuroprotective therapies in glaucoma: The European Glaucoma Society White Paper. Cell and Tissue Research, 2013, 353, 347-354.	1.5	20
102	Ep400 deficiency in Schwann cells causes persistent expression of early developmental regulators and peripheral neuropathy. Nature Communications, 2019, 10, 2361.	5.8	20
103	Consensus Recommendation for Mouse Models of Ocular Hypertension to Study Aqueous Humor Outflow and Its Mechanisms. , 2022, 63, 12.		20
104	The Role of Myocilin/TIGR in Glaucoma: Results of the Glaucoma Research Foundation Catalyst Meeting in Berkeley, California, March 2000. Journal of Glaucoma, 2001, 10, 329-339.	0.8	18
105	Norrin mediates angiogenic properties via the induction of insulin-like growth factor-1. Experimental Eye Research, 2016, 145, 317-326.	1.2	18
106	Laminin Promotes Differentiation, Adhesion and Proliferation of Cell Cultures Derived from Human Acoustic Nerve Schwannoma. Acta Oto-Laryngologica, 1995, 115, 517-521.	0.3	17
107	Myocilin is expressed in the glomerulus of the kidney and induced in mesangioproliferative glomerulonephritis. Kidney International, 2005, 67, 140-151.	2.6	17
108	Characterization of Muscarinic Receptor Involvement in Human Ciliary Muscle Cell Function. Journal of Ocular Pharmacology and Therapeutics, 1994, 10, 125-136.	0.6	16

#	Article	IF	Citations
109	A novel ocular function for decorin in the aqueous humor outflow. Matrix Biology, 2021, 97, 1-19.	1.5	16
110	The Different Functions of Norrin. Advances in Experimental Medicine and Biology, 2012, 723, 679-683.	0.8	15
111	Norrin protects optic nerve axons from degeneration in a mouse model of glaucoma. Scientific Reports, 2017, 7, 14274.	1.6	15
112	Short-term psychosocial stress protects photoreceptors from damage via corticosterone-mediated activation of the AKT pathway. Experimental Neurology, 2014, 252, 28-36.	2.0	14
113	The regulation of connective tissue growth factor expression influences the viability of human trabecular meshwork cells. Journal of Cellular and Molecular Medicine, 2015, 19, 1010-1020.	1.6	14
114	Egr2-guided histone H2B monoubiquitination is required for peripheral nervous system myelination. Nucleic Acids Research, 2020, 48, 8959-8976.	6.5	14
115	The expression of myocilin during murine eye development. Graefe's Archive for Clinical and Experimental Ophthalmology, 2004, 242, 339-345.	1.0	13
116	The origin of extrinsic nitrergic axons supplying the human eye. Journal of Anatomy, 2005, 206, 225-229.	0.9	13
117	Multivalent nanoparticles bind the retinal and choroidal vasculature. Journal of Controlled Release, 2015, 220, 265-274.	4.8	13
118	The TIGR/MYOC Gene and Glaucoma: Opportunities for New Understandings. Journal of Glaucoma, 2001, 10, S9-S12.	0.8	12
119	The Prostaglandin F_{2Î±} Analog Fluprostenol Attenuates the Fibrotic Effects of Connective Tissue Growth Factor on Human Trabecular Meshwork Cells. Journal of Ocular Pharmacology and Therapeutics, 2014, 30, 237-245.	0.6	12
120	Heterozygote Wdr36-deficient mice do not develop glaucoma. Experimental Eye Research, 2014, 128, 83-91.	1.2	12
121	MÃ¼ller Cells and Microglia of the Mouse Eye React Throughout the Entire Retina in Response to the Procedure of an Intravitreal Injection. Advances in Experimental Medicine and Biology, 2014, 801, 347-353.	0.8	12
122	Focus on Molecules: Myocilin/TIGR. Experimental Eye Research, 2005, 81, 501-502.	1.2	11
123	Focus on Molecules: Norrin. Experimental Eye Research, 2012, 102, 109-110.	1.2	11
124	Myocilin modulates programmed cell death during retinal development. Experimental Eye Research, 2014, 125, 41-52.	1.2	11
125	On the use of immortalized ocular cell lines in vision research: The unfortunate story of RGC-5. Experimental Eye Research, 2013, 116, 433.	1.2	10
126	Significance of the Marginal Mandibular Branch in Relation to Facial Palsy Reconstruction. Annals of Plastic Surgery, 2019, 83, e43-e49.	0.5	10

#	Article	IF	Citations
127	Neuroprotection in glaucoma. Cell and Tissue Research, 2013, 353, 201-203.	1.5	9
128	Tamoxifen-Containing Eye Drops Successfully Trigger Cre-Mediated Recombination in the Entire Eye. Advances in Experimental Medicine and Biology, 2016, 854, 495-500.	0.8	9
129	SMAD7 deficiency stimulates MÃ¼ller progenitor cell proliferation during the development of the mammalian retina. Histochemistry and Cell Biology, 2017, 148, 21-32.	0.8	9
130	Efficient determination of axon number in the optic nerve: A stereological approach. Experimental Eye Research, 2019, 186, 107710.	1.2	9
131	Gap Junctions are Found between Iris Sphincter Smooth Muscle Cells but not in the Ciliary Muscle of Human and Monkey Eyes. Experimental Eye Research, 1996, 63, 187-192.	1.2	8
132	Carbonic anhydrase activity is increased in retinal pigmented epithelium and choriocapillaris of RCS rats. Graefe's Archive for Clinical and Experimental Ophthalmology, 1996, 234, 258-263.	1.0	8
133	Optineurin associates with the podocyte Golgi complex to maintain its structure. Cell and Tissue Research, 2014, 358, 567-583.	1.5	8
134	Proteasome Inhibition Increases the Efficiency of Lentiviral Vector-Mediated Transduction of Trabecular Meshwork. , 2018, 59, 298.		8
135	Deficiency in Retinal TGFÎ² Signaling Aggravates Neurodegeneration by Modulating Pro-Apoptotic and MAP Kinase Pathways. International Journal of Molecular Sciences, 2022, 23, 2626.	1.8	8
136	Targeted drug delivery to the retinal pigment epithelium: Untapped therapeutic potential for retinal diseases. Drug Discovery Today, 2022, 27, 2497-2509.	3.2	8
137	Superior Cervical Ganglionectomy in Monkeys: Light and Electron Microscopy of the Anterior Eye Segment. Experimental Eye Research, 1997, 65, 31-43.	1.2	7
138	Myocilin in the trabecular meshwork of eyes with primary open-angle glaucoma. Graefe's Archive for Clinical and Experimental Ophthalmology, 2009, 247, 1643-1649.	1.0	7
139	Increased expression of olfactomedin-1 and myocilin in podocytes during puromycin aminonucleoside nephrosis. Nephrology Dialysis Transplantation, 2011, 26, 83-92.	0.4	7
140	Cross-Inhibition of Norrin and TGF-Î² Signaling Modulates Development of Retinal and Choroidal Vasculature. , 2018, 59, 2240.		7
141	Transgenic lysyl oxidase homolog 1 overexpression in the mouse eye results in the formation and release of protein aggregates. Experimental Eye Research, 2019, 179, 115-124.	1.2	7
142	Nitrergic Nerve Cells in the Primate Ciliary Muscle Are Only Present in Species with a Fovea centralis. Ophthalmologica, 1997, 211, 201-204.	1.0	6
143	Current aspects of aqueous humor dynamics and glaucoma. Experimental Eye Research, 2009, 88, 618-619.	1.2	6
144	Superior Cervical Ganglionectomy in Monkeys: Effects on Refraction and Intraocular Pressure. Experimental Eye Research, 1999, 68, 637-639.	1.2	5

#	Article	IF	Citations
145	The effect of temperature on gene silencing by siRNAs: Implications for silencing in the anterior chamber of the eye. Experimental Eye Research, 2006, 82, 1011-1016.	1.2	5
146	Analysis of the human SOX10 mutation Q377X in mice and its implications for genotype-phenotype correlation in SOX10-related human disease. Human Molecular Genetics, 2018, 27, 1078-1092.	1.4	5
147	Norrin Protects Retinal Ganglion Cells from Excitotoxic Damage via the Induction of Leukemia Inhibitory Factor. Cells, 2020, 9, 277.	1.8	5
148	CCN2/CTGF promotor activity in the developing and adult mouse eye. Cell and Tissue Research, 2021, 384, 625-641.	1.5	5
149	SoxD transcription factor deficiency in Schwann cells delays myelination in the developing peripheral nervous system. Scientific Reports, 2021, 11, 14044.	1.6	5
150	Genetic Changes and Their Influence on Structure and Function of the Eye in Glaucoma. Essentials in Ophthalmology, 2004, , 1-27.	0.0	5
151	Microanatomy of the Frontal Branch of the Facial Nerve: The Role of Nerve Caliber and Axonal Capacity. Plastic and Reconstructive Surgery, 2021, 148, 1357-1365.	0.7	5
152	Transcription factor Zfp276 drives oligodendroglial differentiation and myelination by switching off the progenitor cell program. Nucleic Acids Research, 2022, , .	6.5	5
153	Astrocytes and glaucomatous neurodegeneration. Experimental Eye Research, 2017, 157, 1-4.	1.2	4
154	Mutated olfactomedin 1 in the interphotoreceptor matrix of the mouse retina causes functional deficits and vulnerability to light damage. Histochemistry and Cell Biology, 2017, 147, 453-469.	0.8	4
155	Transcriptional Profiling Identifies Upregulation of Neuroprotective Pathways in Retinitis Pigmentosa. International Journal of Molecular Sciences, 2021, 22, 6307.	1.8	4
156	Endogenous Wnt/Î²-catenin signaling in MÃ¼ller cells protects retinal ganglion cells from excitotoxic damage. Molecular Vision, 2020, 26, 135-149.	1.1	4
157	Advances in morphologic glaucoma research. Current Opinion in Ophthalmology, 1992, 3, 141-148.	1.3	3
158	The Functional Role of Myocilin in Glaucoma. , 2008, , 219-231.		3
159	Role of the Pbrm1 subunit and the PBAF complex in Schwann cell development. Scientific Reports, 2022, 12, 2651.	1.6	3
160	Special Anatomy and Pathology in Intraocular Microsurgery. , 2008, , 97-349.		2
161	Design of dye and superparamagnetic iron oxide nanoparticle loaded lipid nanocapsules with dual detectability in vitro and in vivo. International Journal of Pharmaceutics, 2020, 585, 119433.	2.6	2
162	Chapter 12 Molecular Approaches to Glaucoma. Current Topics in Membranes, 2008, , 379-425.	0.5	1

#	Article	IF	Citations
163	Functional Morphology of the Trabecular Meshwork Outflow Pathways. , 2015, , 40-46.		1
164	Origin and Function of Nitrergic Nerves in the Human Eye: Morphological Aspects. , 2000, , 31-65.		1
165	Jon R. Polansky special issue. Experimental Eye Research, 2006, 82, 921-922.	1.2	0
166	The Trabecular Meshwork Outflow Pathways. , 2015, , 695-698.		0
167	Ambiguous Role of Glucocorticoids on Survival of Retinal Neurons. Advances in Experimental Medicine and Biology, 2014, 801, 365-371.	0.8	0
168	Genetic Approach to Retinal Vascular Disease. , 2007, , 175-189.		0
169	Angiopoietin-1 Mimetic Nanoparticles for Restoring the Function of Endothelial Cells as Potential Therapeutic for Glaucoma. Pharmaceuticals, 2022, 15, 18.	1.7	0