

Ernst R Tamm

List of Publications by Citations

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160
papers

6,953
citations

49
h-index

78
g-index

179
ext. papers

7,847
ext. citations

5
avg, IF

5.96
L-index

#	Paper	IF	Citations
160	The trabecular meshwork outflow pathways: structural and functional aspects. <i>Experimental Eye Research</i> , 2009 , 88, 648-55	3.7	306
159	Anterior eye development and ocular mesenchyme: new insights from mouse models and human diseases. <i>BioEssays</i> , 2004 , 26, 374-86	4.1	215
158	Gene targeting reveals a widespread role for the high-mobility-group transcription factor Sox11 in tissue remodeling. <i>Molecular and Cellular Biology</i> , 2004 , 24, 6635-44	4.8	209
157	AlphaB-crystallin in lens development and muscle integrity: a gene knockout approach. <i>Investigative Ophthalmology and Visual Science</i> , 2001 , 42, 2924-34		198
156	The role of TGF- β in the pathogenesis of primary open-angle glaucoma. <i>Cell and Tissue Research</i> , 2012 , 347, 279-90	4.2	191
155	Inactivation of the murine X-linked juvenile retinoschisis gene, Rs1h, suggests a role of retinoschisin in retinal cell layer organization and synaptic structure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 6222-7	11.5	185
154	Sox10 is required for Schwann cell identity and progression beyond the immature Schwann cell stage. <i>Journal of Cell Biology</i> , 2010 , 189, 701-12	7.3	170
153	Myocilin and glaucoma: facts and ideas. <i>Progress in Retinal and Eye Research</i> , 2002 , 21, 395-428	20.5	160
152	Morphological study of the anterior segment of cynomolgus monkey eyes following treatment with prostaglandin F2 alpha. <i>Experimental Eye Research</i> , 1988 , 47, 761-9	3.7	142
151	Connective tissue growth factor causes glaucoma by modifying the actin cytoskeleton of the trabecular meshwork. <i>American Journal of Pathology</i> , 2012 , 180, 2386-403	5.8	139
150	Consensus recommendations for trabecular meshwork cell isolation, characterization and culture. <i>Experimental Eye Research</i> , 2018 , 171, 164-173	3.7	130
149	The transcription factors Sox10 and Myrf define an essential regulatory network module in differentiating oligodendrocytes. <i>PLoS Genetics</i> , 2013 , 9, e1003907	6	130
148	Pax6 heterozygous eyes show defects in chamber angle differentiation that are associated with a wide spectrum of other anterior eye segment abnormalities. <i>Mechanisms of Development</i> , 2002 , 118, 3-17	1.7	123
147	Bone morphogenetic protein-7 is an antagonist of transforming growth factor-beta2 in human trabecular meshwork cells. <i>Investigative Ophthalmology and Visual Science</i> , 2007 , 48, 715-26		121
146	Age-related changes of the human ciliary muscle. A quantitative morphometric study. <i>Mechanisms of Ageing and Development</i> , 1992 , 62, 209-21	5.6	107
145	Norrin mediates neuroprotective effects on retinal ganglion cells via activation of the Wnt/beta-catenin signaling pathway and the induction of neuroprotective growth factors in Muller cells. <i>Journal of Neuroscience</i> , 2010 , 30, 5998-6010	6.6	104
144	Modulation of extracellular matrix turnover in the trabecular meshwork. <i>Experimental Eye Research</i> , 2009 , 88, 683-8	3.7	98

143	What increases outflow resistance in primary open-angle glaucoma?. <i>Survey of Ophthalmology</i> , 2007 , 52 Suppl 2, S101-4	6.1	98
142	Thrombospondin-1 in the trabecular meshwork: localization in normal and glaucomatous eyes, and induction by TGF-beta1 and dexamethasone in vitro. <i>Experimental Eye Research</i> , 2004 , 79, 649-63	3.7	98
141	Localization of myocilin/trabecular meshwork--inducible glucocorticoid response protein in the human eye. <i>Investigative Ophthalmology and Visual Science</i> , 2000 , 41, 729-40		94
140	Connective tissue growth factor induces extracellular matrix deposition in human trabecular meshwork cells. <i>Experimental Eye Research</i> , 2009 , 88, 1065-75	3.7	91
139	The aqueous humor outflow pathways in glaucoma: A unifying concept of disease mechanisms and causative treatment. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015 , 95, 173-81	5.7	90
138	Chromatin-remodeling factor Brg1 is required for Schwann cell differentiation and myelination. <i>Developmental Cell</i> , 2012 , 23, 193-201	10.2	89
137	Sox10 is required for Schwann-cell homeostasis and myelin maintenance in the adult peripheral nerve. <i>Glia</i> , 2011 , 59, 1022-32	9	89
136	Transforming growth factor-beta 1 induces alpha-smooth muscle-actin expression in cultured human and monkey trabecular meshwork. <i>Experimental Eye Research</i> , 1996 , 62, 389-97	3.7	84
135	Species differences in choroidal vasodilative innervation: evidence for specific intrinsic nitrenergic and VIP-positive neurons in the human eye. <i>Investigative Ophthalmology and Visual Science</i> , 1994 , 35, 592-9		79
134	Ectopic norrin induces growth of ocular capillaries and restores normal retinal angiogenesis in Norrie disease mutant mice. <i>Journal of Neuroscience</i> , 2005 , 25, 1701-10	6.6	74
133	Genetic dissection of Pax6 dosage requirements in the developing mouse eye. <i>Human Molecular Genetics</i> , 2005 , 14, 2265-76	5.6	68
132	Norrin promotes vascular regrowth after oxygen-induced retinal vessel loss and suppresses retinopathy in mice. <i>Journal of Neuroscience</i> , 2010 , 30, 183-93	6.6	67
131	Age changes in rhesus monkey ciliary muscle: light and electron microscopy. <i>Experimental Eye Research</i> , 1988 , 47, 885-99	3.7	67
130	Identification of pax6-dependent gene regulatory networks in the mouse lens. <i>PLoS ONE</i> , 2009 , 4, e4159	3.7	65
129	Intraocular Pressure and the Mechanisms Involved in Resistance of the Aqueous Humor Flow in the Trabecular Meshwork Outflow Pathways. <i>Progress in Molecular Biology and Translational Science</i> , 2015 , 134, 301-14	4	63
128	Gene expression profiling of TGFbeta2- and/or BMP7-treated trabecular meshwork cells: Identification of Smad7 as a critical inhibitor of TGF-beta2 signaling. <i>Experimental Eye Research</i> , 2009 , 88, 1020-32	3.7	63
127	Age-related loss of ciliary muscle mobility in the rhesus monkey. Role of the choroid. <i>JAMA Ophthalmology</i> , 1992 , 110, 871-6		61
126	The role of Müller glia and microglia in glaucoma. <i>Cell and Tissue Research</i> , 2013 , 353, 339-45	4.2	60

125	Visualization of hyaluronic acid in the anterior segment of rabbit and monkey eyes. <i>Experimental Eye Research</i> , 1990 , 51, 55-63	3.7	60
124	Overexpression and properties of wild-type and Tyr437His mutated myocilin in the eyes of transgenic mice. <i>Investigative Ophthalmology and Visual Science</i> , 2005 , 46, 223-34		59
123	Ciliary body. <i>Microscopy Research and Technique</i> , 1996 , 33, 390-439	2.8	58
122	Effects of elevated intraocular pressure on outflow facility and TIGR/MYOC expression in perfused human anterior segments. <i>Investigative Ophthalmology and Visual Science</i> , 2002 , 43, 33-40		58
121	Ligand-functionalized nanoparticles target endothelial cells in retinal capillaries after systemic application. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 6115-20	11.5	53
120	Different collagen types define two types of idiopathic epiretinal membranes. <i>Histopathology</i> , 2011 , 58, 953-65	7.3	52
119	Abnormal vessel formation in the choroid of mice lacking tissue inhibitor of metalloprotease-3 2008 , 49, 2812-22		52
118	Effect of heparin II domain of fibronectin on aqueous outflow in cultured anterior segments of human eyes. <i>Investigative Ophthalmology and Visual Science</i> , 2003 , 44, 4796-804		52
117	Norrin: molecular and functional properties of an angiogenic and neuroprotective growth factor. <i>Progress in Retinal and Eye Research</i> , 2012 , 31, 243-57	20.5	51
116	Disruption of anterior segment development by TGF-beta1 overexpression in the eyes of transgenic mice. <i>Developmental Dynamics</i> , 2002 , 225, 111-25	2.9	50
115	Omega -crystallin of the scallop lens. A dimeric aldehyde dehydrogenase class 1/2 enzyme-crystallin. <i>Journal of Biological Chemistry</i> , 2000 , 275, 41064-73	5.4	50
114	Characterization of the mouse Myoc/Tigr gene. <i>Biochemical and Biophysical Research Communications</i> , 1998 , 245, 887-93	3.4	50
113	Chromatin remodeling enzyme Brg1 is required for mouse lens fiber cell terminal differentiation and its denucleation. <i>Epigenetics and Chromatin</i> , 2010 , 3, 21	5.8	49
112	Contractile cells in the human scleral spur. <i>Experimental Eye Research</i> , 1992 , 54, 531-43	3.7	49
111	Constitutive overexpression of Norrin activates Wnt/ β catenin and endothelin-2 signaling to protect photoreceptors from light damage. <i>Neurobiology of Disease</i> , 2013 , 50, 1-12	7.5	47
110	Role of bestrophin-1 in store-operated calcium entry in retinal pigment epithelium. <i>Pflugers Archiv European Journal of Physiology</i> , 2013 , 465, 481-95	4.6	47
109	Lack of endothelial diaphragms in fenestrae and caveolae of mutant Plvap-deficient mice. <i>Histochemistry and Cell Biology</i> , 2012 , 138, 709-24	2.4	47
108	Anterior segment dysgenesis in the eyes of mice deficient for the high-mobility-group transcription factor Sox11. <i>Experimental Eye Research</i> , 2008 , 86, 895-907	3.7	47

107	Latanoprost induces matrix metalloproteinase-1 expression in human nonpigmented ciliary epithelial cells through a cyclooxygenase-2-dependent mechanism. <i>FASEB Journal</i> , 2005 , 19, 1929-31	0.9	47
106	Biomechanical aspects of axonal damage in glaucoma: A brief review. <i>Experimental Eye Research</i> , 2017 , 157, 13-19	3.7	46
105	Caveolin-1 modulates intraocular pressure: implications for caveolae mechanoprotection in glaucoma. <i>Scientific Reports</i> , 2016 , 6, 37127	4.9	46
104	Pax6 dosage requirements in iris and ciliary body differentiation. <i>Developmental Biology</i> , 2009 , 333, 132-42	3.4	45
103	Progressive retinal degeneration and glial activation in the CLN6 (nclf) mouse model of neuronal ceroid lipofuscinosis: a beneficial effect of DHA and curcumin supplementation. <i>PLoS ONE</i> , 2013 , 8, e75963	3.7	43
102	Biological aspects of axonal damage in glaucoma: A brief review. <i>Experimental Eye Research</i> , 2017 , 157, 5-12	3.7	42
101	MicroRNAs are essential for differentiation of the retinal pigmented epithelium and maturation of adjacent photoreceptors. <i>Development (Cambridge)</i> , 2015 , 142, 2487-98	6.6	42
100	Identification of adult stem cells in Schwalbe's line region of the primate eye 2014 , 55, 7499-507		41
99	Disruption of the retinitis pigmentosa 28 gene Fam161a in mice affects photoreceptor ciliary structure and leads to progressive retinal degeneration. <i>Human Molecular Genetics</i> , 2014 , 23, 5197-210	5.6	40
98	The role of plasmalemma vesicle-associated protein (PLVAP) in endothelial cells of Schlemm's canal and ocular capillaries. <i>Experimental Eye Research</i> , 2012 , 105, 27-33	3.7	40
97	Transgenic studies on the role of optineurin in the mouse eye. <i>Experimental Eye Research</i> , 2006 , 82, 1075-85	3.7	40
96	The class III POU domain protein Brn-1 can fully replace the related Oct-6 during schwann cell development and myelination. <i>Molecular and Cellular Biology</i> , 2005 , 25, 1821-9	4.8	40
95	Viscocanalostomy in rhesus monkeys. <i>JAMA Ophthalmology</i> , 2004 , 122, 1826-38		39
94	Increased stiffness and flow resistance of the inner wall of Schlemm's canal in glaucomatous human eyes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 ,	11.5	39
93	TGF- β signaling protects retinal neurons from programmed cell death during the development of the mammalian eye. <i>Journal of Neuroscience</i> , 2013 , 33, 14246-58	6.6	38
92	Reduced expression of Pax6 in lens and cornea of mutant mice leads to failure of chamber angle development and juvenile glaucoma. <i>Human Molecular Genetics</i> , 2010 , 19, 3332-42	5.6	38
91	Lack of WDR36 leads to preimplantation embryonic lethality in mice and delays the formation of small subunit ribosomal RNA in human cells in vitro. <i>Human Molecular Genetics</i> , 2011 , 20, 422-35	5.6	37
90	Deletion of ocular transforming growth factor β signaling mimics essential characteristics of diabetic retinopathy. <i>American Journal of Pathology</i> , 2015 , 185, 1749-68	5.8	36

89	Formation of fenestrae in murine liver sinusoids depends on plasmalemma vesicle-associated protein and is required for lipoprotein passage. <i>PLoS ONE</i> , 2014 , 9, e115005	3.7	36
88	Perfusion with the olfactomedin domain of myocilin does not affect outflow facility. <i>Investigative Ophthalmology and Visual Science</i> , 2003 , 44, 1953-61		36
87	Kidney podocytes as specific targets for cyclo(RGDfC)-modified nanoparticles. <i>Small</i> , 2012 , 8, 3368-75	11	34
86	Establishment of myelinating Schwann cells and barrier integrity between central and peripheral nervous systems depend on Sox10. <i>Glia</i> , 2012 , 60, 806-19	9	32
85	Depletion of optineurin in RGC-5 cells derived from retinal neurons causes apoptosis and reduces the secretion of neurotrophins. <i>Experimental Eye Research</i> , 2011 , 93, 669-80	3.7	32
84	Donor corneoscleral buttons: a new source of trabecular meshwork for research. <i>Experimental Eye Research</i> , 2003 , 77, 749-56	3.7	31
83	Characterization of Meibomian gland innervation in the cynomolgus monkey (<i>Macaca fascicularis</i>). <i>Anatomy and Embryology</i> , 1996 , 193, 365-75		31
82	Age-Related Loss of Smooth Muscle Actin in Normal and Glaucomatous Human Trabecular Meshwork of Different Age Groups. <i>Journal of Glaucoma</i> , 1992 , 1, 165-173	2.1	31
81	Age-related changes of the ciliary muscle in comparison with changes induced by treatment with prostaglandin F2 alpha. An ultrastructural study in rhesus and cynomolgus monkeys. <i>Mechanisms of Ageing and Development</i> , 1990 , 51, 101-20	5.6	31
80	Secreted glycoprotein myocilin is a component of the myelin sheath in peripheral nerves. <i>Glia</i> , 2003 , 43, 128-40	9	30
79	The role of bestrophin-1 in intracellular Ca(2+) signaling. <i>Advances in Experimental Medicine and Biology</i> , 2014 , 801, 113-9	3.6	29
78	Cell cultures of human ciliary muscle: growth, ultrastructural and immunocytochemical characteristics. <i>Experimental Eye Research</i> , 1991 , 53, 375-87	3.7	28
77	Tg(<i>Grm1</i>) transgenic mice: a murine model that mimics spontaneous uveal melanoma in humans?. <i>Experimental Eye Research</i> , 2014 , 127, 59-68	3.7	26
76	Elevated amounts of myocilin in the aqueous humor of transgenic mice cause significant changes in ocular gene expression. <i>Experimental Eye Research</i> , 2008 , 87, 257-67	3.7	26
75	Rybp, a polycomb complex-associated protein, is required for mouse eye development. <i>BMC Developmental Biology</i> , 2007 , 7, 39	3.1	26
74	Rho GTPase inactivation impairs lens growth and integrity. <i>Laboratory Investigation</i> , 2002 , 82, 231-9	5.9	26
73	Sox8 and Sox10 jointly maintain myelin gene expression in oligodendrocytes. <i>Glia</i> , 2018 , 66, 279-294	9	25
72	Regulation of human myocilin/TIGR gene transcription in trabecular meshwork cells and astrocytes: role of upstream stimulatory factor. <i>Genes To Cells</i> , 2000 , 5, 661-76	2.3	24

71	Connective tissue growth factor modulates podocyte actin cytoskeleton and extracellular matrix synthesis and is induced in podocytes upon injury. <i>Histochemistry and Cell Biology</i> , 2011 , 136, 301-19	2.4	23
70	Myocilin promotes substrate adhesion, spreading and formation of focal contacts in podocytes and mesangial cells. <i>Histochemistry and Cell Biology</i> , 2009 , 131, 167-80	2.4	21
69	Immunohistochemical localization of neuropeptides in the human ciliary ganglion. <i>Brain Research</i> , 1995 , 681, 229-34	3.7	21
68	Heterozygous modulation of TGF- β signaling does not influence Müller glia cell reactivity or proliferation following NMDA-induced damage. <i>Histochemistry and Cell Biology</i> , 2015 , 144, 443-55	2.4	19
67	Differential angiogenic properties of lithium chloride in vitro and in vivo. <i>PLoS ONE</i> , 2014 , 9, e95546	3.7	19
66	Epithelial-mesenchymal transition of the retinal pigment epithelium causes choriocapillaris atrophy. <i>Histochemistry and Cell Biology</i> , 2016 , 146, 769-780	2.4	19
65	Deletion of Endothelial Transforming Growth Factor- β signaling Leads to Choroidal Neovascularization. <i>American Journal of Pathology</i> , 2017 , 187, 2570-2589	5.8	17
64	N-methyl-D-aspartate (NMDA)-mediated excitotoxic damage: a mouse model of acute retinal ganglion cell damage. <i>Methods in Molecular Biology</i> , 2013 , 935, 99-109	1.4	17
63	Laminin promotes differentiation, adhesion and proliferation of cell cultures derived from human acoustic nerve schwannoma. <i>Acta Oto-Laryngologica</i> , 1995 , 115, 517-21	1.6	17
62	Norrin mediates angiogenic properties via the induction of insulin-like growth factor-1. <i>Experimental Eye Research</i> , 2016 , 145, 317-326	3.7	16
61	Status and perspectives of neuroprotective therapies in glaucoma: the European Glaucoma Society White Paper. <i>Cell and Tissue Research</i> , 2013 , 353, 347-54	4.2	16
60	Chromatin remodeler Ep400 ensures oligodendrocyte survival and is required for myelination in the vertebrate central nervous system. <i>Nucleic Acids Research</i> , 2019 , 47, 6208-6224	20.1	14
59	Myocilin is expressed in the glomerulus of the kidney and induced in mesangioproliferative glomerulonephritis. <i>Kidney International</i> , 2005 , 67, 140-51	9.9	14
58	Characterization of muscarinic receptor involvement in human ciliary muscle cell function. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 1994 , 10, 125-36	2.6	14
57	Norrin protects optic nerve axons from degeneration in a mouse model of glaucoma. <i>Scientific Reports</i> , 2017 , 7, 14274	4.9	13
56	The different functions of Norrin. <i>Advances in Experimental Medicine and Biology</i> , 2012 , 723, 679-83	3.6	13
55	The origin of extrinsic nitrergic axons supplying the human eye. <i>Journal of Anatomy</i> , 2005 , 206, 225-9	2.9	13
54	Short-term psychosocial stress protects photoreceptors from damage via corticosterone-mediated activation of the AKT pathway. <i>Experimental Neurology</i> , 2014 , 252, 28-36	5.7	12

53	The expression of myocilin during murine eye development. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 2004 , 242, 339-45	3.8	12
52	The role of myocilin/TIGR in glaucoma: results of the Glaucoma Research Foundation catalyst meeting in Berkeley, California, March 2000. <i>Journal of Glaucoma</i> , 2001 , 10, 329-39	2.1	12
51	Anatomical study of the zygomatic and buccal branches of the facial nerve: Application to facial reanimation procedures. <i>Clinical Anatomy</i> , 2019 , 32, 480-488	2.5	11
50	Ep400 deficiency in Schwann cells causes persistent expression of early developmental regulators and peripheral neuropathy. <i>Nature Communications</i> , 2019 , 10, 2361	17.4	11
49	The regulation of connective tissue growth factor expression influences the viability of human trabecular meshwork cells. <i>Journal of Cellular and Molecular Medicine</i> , 2015 , 19, 1010-20	5.6	11
48	Programmed cell death during retinal development of the mouse eye. <i>Advances in Experimental Medicine and Biology</i> , 2014 , 801, 9-13	3.6	11
47	Heterozygote Wdr36-deficient mice do not develop glaucoma. <i>Experimental Eye Research</i> , 2014 , 128, 83-91	3.7	10
46	Multivalent nanoparticles bind the retinal and choroidal vasculature. <i>Journal of Controlled Release</i> , 2015 , 220, 265-274	11.7	10
45	Focus on molecules: Norrin. <i>Experimental Eye Research</i> , 2012 , 102, 109-10	3.7	10
44	Myocilin modulates programmed cell death during retinal development. <i>Experimental Eye Research</i> , 2014 , 125, 41-52	3.7	9
43	Focus on Molecules: Myocilin/TIGR. <i>Experimental Eye Research</i> , 2005 , 81, 501-2	3.7	9
42	The TIGR/MYOC gene and glaucoma: opportunities for new understandings. <i>Journal of Glaucoma</i> , 2001 , 10, S9-12	2.1	9
41	Müller cells and microglia of the mouse eye react throughout the entire retina in response to the procedure of an intravitreal injection. <i>Advances in Experimental Medicine and Biology</i> , 2014 , 801, 347-53	3.6	9
40	Carbonic anhydrase activity is increased in retinal pigmented epithelium and choriocapillaris of RCS rats. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 1996 , 234, 258-63	3.8	8
39	Tamoxifen-Containing Eye Drops Successfully Trigger Cre-Mediated Recombination in the Entire Eye. <i>Advances in Experimental Medicine and Biology</i> , 2016 , 854, 495-500	3.6	7
38	Myocilin in the trabecular meshwork of eyes with primary open-angle glaucoma. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 2009 , 247, 1643-9	3.8	7
37	Increased expression of olfactomedin-1 and myocilin in podocytes during puromycin aminonucleoside nephrosis. <i>Nephrology Dialysis Transplantation</i> , 2011 , 26, 83-92	4.3	7
36	Gap junctions are found between iris sphincter smooth muscle cells but not in the ciliary muscle of human and monkey eyes. <i>Experimental Eye Research</i> , 1996 , 63, 187-92	3.7	7

35	Egr2-guided histone H2B monoubiquitination is required for peripheral nervous system myelination. <i>Nucleic Acids Research</i> , 2020 , 48, 8959-8976	20.1	7
34	SMAD7 deficiency stimulates Müller progenitor cell proliferation during the development of the mammalian retina. <i>Histochemistry and Cell Biology</i> , 2017 , 148, 21-32	2.4	6
33	The prostaglandin F2 α analog fluprostenol attenuates the fibrotic effects of connective tissue growth factor on human trabecular meshwork cells. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 2014 , 30, 237-45	2.6	6
32	Nitroergic nerve cells in the primate ciliary muscle are only present in species with a fovea centralis. <i>Ophthalmologica</i> , 1997 , 211, 201-4	3.7	6
31	Superior cervical ganglionectomy in monkeys: light and electron microscopy of the anterior eye segment. <i>Experimental Eye Research</i> , 1997 , 65, 31-43	3.7	6
30	A novel ocular function for decorin in the aqueous humor outflow. <i>Matrix Biology</i> , 2021 , 97, 1-19	11.4	6
29	Optineurin associates with the podocyte Golgi complex to maintain its structure. <i>Cell and Tissue Research</i> , 2014 , 358, 567-83	4.2	5
28	Transgenic lysyl oxidase homolog 1 overexpression in the mouse eye results in the formation and release of protein aggregates. <i>Experimental Eye Research</i> , 2019 , 179, 115-124	3.7	5
27	Efficient determination of axon number in the optic nerve: A stereological approach. <i>Experimental Eye Research</i> , 2019 , 186, 107710	3.7	4
26	The effect of temperature on gene silencing by siRNAs: implications for silencing in the anterior chamber of the eye. <i>Experimental Eye Research</i> , 2006 , 82, 1011-6	3.7	4
25	Superior cervical ganglionectomy in monkeys: effects on refraction and intraocular pressure. <i>Experimental Eye Research</i> , 1999 , 68, 637-9	3.7	4
24	Endogenous Wnt/ β -catenin signaling in Müller cells protects retinal ganglion cells from excitotoxic damage. <i>Molecular Vision</i> , 2020 , 26, 135-149	2.3	4
23	Cross-Inhibition of Norrin and TGF- β Signaling Modulates Development of Retinal and Choroidal Vasculature 2018 , 59, 2240-2251		4
22	Norrin Protects Retinal Ganglion Cells from Excitotoxic Damage via the Induction of Leukemia Inhibitory Factor. <i>Cells</i> , 2020 , 9,	7.9	3
21	Analysis of the human SOX10 mutation Q377X in mice and its implications for genotype-phenotype correlation in SOX10-related human disease. <i>Human Molecular Genetics</i> , 2018 , 27, 1078-1092	5.6	3
20	Proteasome Inhibition Increases the Efficiency of Lentiviral Vector-Mediated Transduction of Trabecular Meshwork 2018 , 59, 298-310		3
19	The Functional Role of Myocilin in Glaucoma 2008 , 219-231		3
18	Significance of the Marginal Mandibular Branch in Relation to Facial Palsy Reconstruction: Assessment of Microanatomy and Macroanatomy Including Axonal Load in 96 Facial Halves. <i>Annals of Plastic Surgery</i> , 2019 , 83, e43-e49	1.7	3

17	Mutated olfactomedin 1 in the interphotoreceptor matrix of the mouse retina causes functional deficits and vulnerability to light damage. <i>Histochemistry and Cell Biology</i> , 2017 , 147, 453-469	2.4	2
16	Advances in morphologic glaucoma research. <i>Current Opinion in Ophthalmology</i> , 1992 , 3, 141-148	5.1	2
15	Genetic Changes and Their Influence on Structure and Function of the Eye in Glaucoma. <i>Essentials in Ophthalmology</i> , 2004 , 1-27	0.2	2
14	Transcriptional Profiling Identifies Upregulation of Neuroprotective Pathways in Retinitis Pigmentosa. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	2
13	CCN2/CTGF promotor activity in the developing and adult mouse eye. <i>Cell and Tissue Research</i> , 2021 , 384, 625-641	4.2	2
12	Functional Morphology of the Trabecular Meshwork Outflow Pathways 2015 , 40-46		1
11	Special Anatomy and Pathology in Intraocular Microsurgery 2008 , 97-349		1
10	Chapter 12 Molecular Approaches to Glaucoma. <i>Current Topics in Membranes</i> , 2008 , 379-425	2.2	1
9	Consensus Recommendation for Mouse Models of Ocular Hypertension to Study Aqueous Humor Outflow and Its Mechanisms. 2022 , 63, 12		1
8	Design of dye and superparamagnetic iron oxide nanoparticle loaded lipid nanocapsules with dual detectability in vitro and in vivo. <i>International Journal of Pharmaceutics</i> , 2020 , 585, 119433	6.5	1
7	Origin and Function of Nitrergic Nerves in the Human Eye: Morphological Aspects 2000 , 31-65		1
6	Microanatomy of the Frontal Branch of the Facial Nerve: The Role of Nerve Caliber and Axonal Capacity. <i>Plastic and Reconstructive Surgery</i> , 2021 , 148, 1357-1365	2.7	0
5	SoxD transcription factor deficiency in Schwann cells delays myelination in the developing peripheral nervous system. <i>Scientific Reports</i> , 2021 , 11, 14044	4.9	0
4	Role of the Pbrm1 subunit and the PBAF complex in Schwann cell development.. <i>Scientific Reports</i> , 2022 , 12, 2651	4.9	0
3	The Trabecular Meshwork Outflow Pathways: Surgical Aspects 2015 , 695-698		
2	Genetic Approach to Retinal Vascular Disease 2007 , 175-189		
1	Ambiguous role of glucocorticoids on survival of retinal neurons. <i>Advances in Experimental Medicine and Biology</i> , 2014 , 801, 365-71	3.6	