Andreas Ohlmann

List of Publications by Year in Descending Order

45 papers	1,232 citations	19 h-index	35 g-index
49 ext. papers	1,340 ext. citations	5.2 avg, IF	4.05 L-index

#	Paper	IF	Citations
45	Anti-angiogenic properties of rapamycin on human retinal pericytes in an in vitro model of neovascular AMD via inhibition of the mTOR pathway.. *BMC Ophthalmology*, **2022**, 22, 138	2.3	0
44	Galectin-1 and -3 in high amounts inhibit angiogenic properties of human retinal microvascular endothelial cells in vitro.. *PLoS ONE*, **2022**, 17, e0265805	3.7	0
43	CCN2/CTGF-A Modulator of the Optic Nerve Head Astrocyte.. *Frontiers in Cell and Developmental Biology*, **2022**, 10, 864433	5.7	0
42	Posterior subcapsular cataracts are a late effect after acute exposure to 0.5 Gy ionizing radiation in mice. *International Journal of Radiation Biology*, **2021**, 97, 529-540	2.9	2
41	Development of a drug-eluting intraocular lens to deliver epidermal growth factor receptor inhibitor gefitinib for posterior capsule opacification prophylaxis. *European Journal of Ophthalmology*, **2021**, 31, 436-444	1.9	5
40	Cytoprotective effect of crocin and trans-resveratrol on photodamaged primary human retinal pigment epithelial cells. *European Journal of Ophthalmology*, **2021**, 31, 630-637	1.9	3
39	The neuroprotective role of Wnt signaling in the retina. *Neural Regeneration Research*, **2021**, 16, 1524-1528	4.8	2
38	Decorin-An Antagonist of TGF- In Astrocytes of the Optic Nerve. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	3
37	Electron microscopy analysis of femtosecond laser-assisted capsulotomy before and after lens fragmentation.. *Scientific Reports*, **2021**, 11, 24427	4.9	
36	Ex vivo excimer laser ablation of cornea guttata and ROCK inhibitor-aided endothelial recolonization of ablated central cornea. *Acta Ophthalmologica*, **2020**, 98, e773-e780	3.7	7
35	Norrin Protects Retinal Ganglion Cells from Excitotoxic Damage via the Induction of Leukemia Inhibitory Factor. *Cells*, **2020**, 9,	7.9	3
34	Endogenous Wnt/-catenin signaling in M ller cells protects retinal ganglion cells from excitotoxic damage. *Molecular Vision*, **2020**, 26, 135-149	2.3	4
33	Norrin mediates opposing effects on tumor progression of glioblastoma stem cells. *Journal of Clinical Investigation*, **2020**, 130, 2814-2815	15.9	
32	Nanoscopic Approach to Study the Early Stages of Epithelial to Mesenchymal Transition (EMT) of Human Retinal Pigment Epithelial (RPE) Cells In Vitro. *Life*, **2020**, 10,	3	2
31	Induction and Readout of Oxygen-Induced Retinopathy. *Methods in Molecular Biology*, **2019**, 1834, 179-191	1.4	1
30	Combined VEGF/PDGF inhibition using axitinib induces SMA expression and a pro-fibrotic phenotype in human pericytes. *Graefes Archive for Clinical and Experimental Ophthalmology*, **2018**, 256, 1141-1149	3.8	9
29	Cross-Inhibition of Norrin and TGF- Signaling Modulates Development of Retinal and Choroidal Vasculature **2018**, 59, 2240-2251		4

28	Norrin protects optic nerve axons from degeneration in a mouse model of glaucoma. *Scientific Reports*, **2017**, 7, 14274	4.9	13
27	Norrin mediates angiogenic properties via the induction of insulin-like growth factor-1. *Experimental Eye Research*, **2016**, 145, 317-326	3.7	16
26	Epithelial-mesenchymal transition of the retinal pigment epithelium causes choriocapillaris atrophy. *Histochemistry and Cell Biology*, **2016**, 146, 769-780	2.4	19
25	Multivalent nanoparticles bind the retinal and choroidal vasculature. *Journal of Controlled Release*, **2015**, 220, 265-274	11.7	10
24	Short-term psychosocial stress protects photoreceptors from damage via corticosterone-mediated activation of the AKT pathway. *Experimental Neurology*, **2014**, 252, 28-36	5.7	12
23	Differential angiogenic properties of lithium chloride in vitro and in vivo. *PLoS ONE*, **2014**, 9, e95546	3.7	19
22	Ambiguous role of glucocorticoids on survival of retinal neurons. *Advances in Experimental Medicine and Biology*, **2014**, 801, 365-71	3.6	
21	Constitutive overexpression of Norrin activates Wnt/β-catenin and endothelin-2 signaling to protect photoreceptors from light damage. *Neurobiology of Disease*, **2013**, 50, 1-12	7.5	47
20	The role of Müller glia and microglia in glaucoma. *Cell and Tissue Research*, **2013**, 353, 339-45	4.2	60
19	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, 6115-20	11.5	53
18	Norrin: molecular and functional properties of an angiogenic and neuroprotective growth factor. *Progress in Retinal and Eye Research*, **2012**, 31, 243-57	20.5	51
17	Focus on molecules: Norrin. *Experimental Eye Research*, **2012**, 102, 109-10	3.7	10
16	Kidney podocytes as specific targets for cyclo(RGDfC)-modified nanoparticles. *Small*, **2012**, 8, 3368-75	11	34
15	Norrin promotes vascular regrowth after oxygen-induced retinal vessel loss and suppresses retinopathy in mice. *Journal of Neuroscience*, **2010**, 30, 183-93	6.6	67
14	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. *Journal of Neuroscience*, **2010**, 30, 5998-6010	6.6	104
13	Myocilin in the trabecular meshwork of eyes with primary open-angle glaucoma. *Graefes Archive for Clinical and Experimental Ophthalmology*, **2009**, 247, 1643-9	3.8	7
12	Abnormal vessel formation in the choroid of mice lacking tissue inhibitor of metalloprotease-3 **2008**, 49, 2812-22		52
11	Transgenic studies on the role of optineurin in the mouse eye. *Experimental Eye Research*, **2006**, 82, 1075-85	3.7	40

10	Localization of collagen XVIII and endostatin in the human eye. *Current Eye Research*, **2005**, 30, 27-34	2.9	20
9	Myocilin is expressed in the glomerulus of the kidney and induced in mesangioproliferative glomerulonephritis. *Kidney International*, **2005**, 67, 140-51	9.9	14
8	Ectopic norrin induces growth of ocular capillaries and restores normal retinal angiogenesis in Norrie disease mutant mice. *Journal of Neuroscience*, **2005**, 25, 1701-10	6.6	74
7	Norrie gene product is necessary for regression of hyaloid vessels. *Investigative Ophthalmology and Visual Science*, **2004**, 45, 2384-90		40
6	The expression of myocilin during murine eye development. *Graefes Archive for Clinical and Experimental Ophthalmology*, **2004**, 242, 339-45	3.8	12
5	Thrombospondin-1 in the trabecular meshwork: localization in normal and glaucomatous eyes, and induction by TGF-beta1 and dexamethasone in vitro. *Experimental Eye Research*, **2004**, 79, 649-63	3.7	98
4	Secreted glycoprotein myocilin is a component of the myelin sheath in peripheral nerves. *Glia*, **2003** , 43, 128-40	9	30
3	Disruption of anterior segment development by TGF-beta1 overexpression in the eyes of transgenic mice. *Developmental Dynamics*, **2002**, 225, 111-25	2.9	50
2	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	123
1	Transcriptional activation of the haem oxygenase-1 gene by cGMP via a cAMP response element/activator protein-1 element in primary cultures of rat hepatocytes. *Biochemical Journal*, **1998**, 334 (Pt 1), 141-6	3.8	112