

Andreas Ohlmann

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	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
44	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. <i>Biochemical Journal</i> , 1998 , 334 (Pt 1), 141-6	3.8	112
43	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
42	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
41	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
40	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
39	The role of Muller glia and microglia in glaucoma. <i>Cell and Tissue Research</i> , 2013 , 353, 339-45	4.2	60
38	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
37	Abnormal vessel formation in the choroid of mice lacking tissue inhibitor of metalloprotease-3 2008 , 49, 2812-22		52
36	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
35	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
34	Constitutive overexpression of Norrin activates Wnt/beta-catenin and endothelin-2 signaling to protect photoreceptors from light damage. <i>Neurobiology of Disease</i> , 2013 , 50, 1-12	7.5	47
33	Transgenic studies on the role of optineurin in the mouse eye. <i>Experimental Eye Research</i> , 2006 , 82, 1075-85	3.75	40
32	Norrie gene product is necessary for regression of hyaloid vessels. <i>Investigative Ophthalmology and Visual Science</i> , 2004 , 45, 2384-90		40
31	Kidney podocytes as specific targets for cyclo(RGDfC)-modified nanoparticles. <i>Small</i> , 2012 , 8, 3368-75	11	34
30	Secreted glycoprotein myocilin is a component of the myelin sheath in peripheral nerves. <i>Glia</i> , 2003 , 43, 128-40	9	30
29	Localization of collagen XVIII and endostatin in the human eye. <i>Current Eye Research</i> , 2005 , 30, 27-34	2.9	20

28	Differential angiogenic properties of lithium chloride in vitro and in vivo. <i>PLoS ONE</i> , 2014 , 9, e95546	3.7	19
27	Epithelial-mesenchymal transition of the retinal pigment epithelium causes choriocapillaris atrophy. <i>Histochemistry and Cell Biology</i> , 2016 , 146, 769-780	2.4	19
26	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
25	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
24	Norrin protects optic nerve axons from degeneration in a mouse model of glaucoma. <i>Scientific Reports</i> , 2017 , 7, 14274	4.9	13
23	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
22	The expression of myocilin during murine eye development. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 2004 , 242, 339-45	3.8	12
21	Multivalent nanoparticles bind the retinal and choroidal vasculature. <i>Journal of Controlled Release</i> , 2015 , 220, 265-274	11.7	10
20	Focus on molecules: Norrin. <i>Experimental Eye Research</i> , 2012 , 102, 109-10	3.7	10
19	Combined VEGF/PDGF inhibition using axitinib induces α 1(I) expression and a pro-fibrotic phenotype in human pericytes. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 2018 , 256, 1141-1149	3.8	9
18	Ex vivo excimer laser ablation of cornea guttata and ROCK inhibitor-aided endothelial recolonization of ablated central cornea. <i>Acta Ophthalmologica</i> , 2020 , 98, e773-e780	3.7	7
17	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
16	Development of a drug-eluting intraocular lens to deliver epidermal growth factor receptor inhibitor gefitinib for posterior capsule opacification prophylaxis. <i>European Journal of Ophthalmology</i> , 2021 , 31, 436-444	1.9	5
15	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
14	Cross-Inhibition of Norrin and TGF- β Signaling Modulates Development of Retinal and Choroidal Vasculature 2018 , 59, 2240-2251		4
13	Norrin Protects Retinal Ganglion Cells from Excitotoxic Damage via the Induction of Leukemia Inhibitory Factor. <i>Cells</i> , 2020 , 9,	7.9	3
12	Cytoprotective effect of crocin and trans-resveratrol on photodamaged primary human retinal pigment epithelial cells. <i>European Journal of Ophthalmology</i> , 2021 , 31, 630-637	1.9	3
11	Decorin-An Antagonist of TGF- β In Astrocytes of the Optic Nerve. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	3

10	Nanosopic Approach to Study the Early Stages of Epithelial to Mesenchymal Transition (EMT) of Human Retinal Pigment Epithelial (RPE) Cells In Vitro. <i>Life</i> , 2020 , 10,	3	2
9	Posterior subcapsular cataracts are a late effect after acute exposure to 0.5 Gy ionizing radiation in mice. <i>International Journal of Radiation Biology</i> , 2021 , 97, 529-540	2.9	2
8	The neuroprotective role of Wnt signaling in the retina. <i>Neural Regeneration Research</i> , 2021 , 16, 1524-1528	4.9	2
7	Induction and Readout of Oxygen-Induced Retinopathy. <i>Methods in Molecular Biology</i> , 2019 , 1834, 179-191	12.1	1
6	Anti-angiogenic properties of rapamycin on human retinal pericytes in an in vitro model of neovascular AMD via inhibition of the mTOR pathway.. <i>BMC Ophthalmology</i> , 2022 , 22, 138	2.3	0
5	Galectin-1 and -3 in high amounts inhibit angiogenic properties of human retinal microvascular endothelial cells in vitro.. <i>PLoS ONE</i> , 2022 , 17, e0265805	3.7	0
4	CCN2/CTGF-A Modulator of the Optic Nerve Head Astrocyte.. <i>Frontiers in Cell and Developmental Biology</i> , 2022 , 10, 864433	5.7	0
3	Norrin mediates opposing effects on tumor progression of glioblastoma stem cells. <i>Journal of Clinical Investigation</i> , 2020 , 130, 2814-2815	15.9	
2	Ambiguous role of glucocorticoids on survival of retinal neurons. <i>Advances in Experimental Medicine and Biology</i> , 2014 , 801, 365-71	3.6	
1	Electron microscopy analysis of femtosecond laser-assisted capsulotomy before and after lens fragmentation.. <i>Scientific Reports</i> , 2021 , 11, 24427	4.9	