

Tim U Krohne

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

2,922
citations

218592

26
h-index

197736

49
g-index

91
all docs

91
docs citations

91
times ranked

3552
citing authors

#	ARTICLE	IF	CITATIONS
1	Ranibizumab in retinopathy of prematurity – one-year follow-up of ophthalmic outcomes and two-year follow-up of neurodevelopmental outcomes from the CAREROP study. <i>Acta Ophthalmologica</i> , 2022, 100, .	0.6	18
2	National guideline for ophthalmological screening of premature infants in Germany (S2k level, AWMF) https://www.aerzte-im-netz.de/aktuelle-nachrichten/2022/07/2022-07-14-nationale-richtlinien-zur-ophthalmologischen-schulung-von-fruehgeborenen-kindern	0.4	3
3	Silicone oil tamponade for persistent macular holes. <i>Eye</i> , 2021, 35, 2206-2212.	1.1	11
4	Incidence of retinopathy of prematurity in Germany: evaluation of current screening criteria. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2021, 106, 189-193.	1.4	16
5	Retinal findings in neonates with congenital diaphragmatic hernia and extracorporeal membrane oxygenation. <i>Journal of Pediatric Surgery</i> , 2020, 55, 1292-1295.	0.8	8
6	The Rise of Retinal Organoids for Vision Research. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8484.	1.8	13
7	Oxalobacter formigenes treatment combined with intensive dialysis lowers plasma oxalate and halts disease progression in a patient with severe infantile oxalosis. <i>Pediatric Nephrology</i> , 2020, 35, 1121-1124.	0.9	11
8	The long dystrophin gene product Dp427 modulates retinal function and vascular morphology in response to age and retinal ischemia. <i>Neurochemistry International</i> , 2019, 129, 104489.	1.9	13
9	Optical coherence tomography angiography (OCT-A) in an animal model of laser-induced choroidal neovascularization. <i>Experimental Eye Research</i> , 2019, 184, 162-171.	1.2	13
10	RANIBIZUMAB IN PIGMENT EPITHELIAL TEARS SECONDARY TO AGE-RELATED MACULAR DEGENERATION. <i>Retina</i> , 2019, 39, 2369-2377.	1.0	5
11	Retinal Hemorrhages in Shaken Baby Syndrome. <i>Journal of Pediatrics</i> , 2019, 207, 256.	0.9	4
12	Efficacy of novel selective NLRP3 inhibitors in human and murine retinal pigment epithelial cells. <i>Journal of Molecular Medicine</i> , 2019, 97, 523-532.	1.7	17
13	Non-contact smartphone-based fundus imaging compared to conventional fundus imaging: a low-cost alternative for retinopathy of prematurity screening and documentation. <i>Scientific Reports</i> , 2019, 9, 19711.	1.6	33
14	Visual impairment and blindness in institutionalized elderly in Germany. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2019, 257, 363-370.	1.0	15
15	MINIMAL OPTICAL COHERENCE TOMOGRAPHY B-SCAN DENSITY FOR RELIABLE DETECTION OF INTRARETINAL AND SUBRETINAL FLUID IN MACULAR DISEASES. <i>Retina</i> , 2019, 39, 150-156.	1.0	6
16	Comparing Alternative Ranibizumab Dosages for Safety and Efficacy in Retinopathy of Prematurity. <i>JAMA Pediatrics</i> , 2018, 172, 278.	3.3	111
17	LONGITUDINAL CHANGE OF OUTER NUCLEAR LAYER AFTER RETINAL PIGMENT EPITHELIAL TEAR SECONDARY TO AGE-RELATED MACULAR DEGENERATION. <i>Retina</i> , 2018, 38, 1331-1337.	1.0	7
18	Modulation of three key innate immune pathways for the most common retinal degenerative diseases. <i>EMBO Molecular Medicine</i> , 2018, 10, .	3.3	102

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19	Retinal Injury Following Laser Pointer Exposure. Deutsches Ärzteblatt International, 2017, 114, 831-837.	0.6	32
20	Routes for Drug Delivery to the Eye and Retina: Intravitreal Injections. Developments in Ophthalmology, 2016, 55, 63-70.	0.1	40
21	OCT Angiographyâ€“Based Detection and Quantification of the Neovascular Network in Exudative AMD. , 2016, 57, 6342.		33
22	Inflammasome priming increases retinal pigment epithelial cell susceptibility to lipofuscin phototoxicity by changing the cell death mechanism from apoptosis to pyroptosis. Journal of Photochemistry and Photobiology B: Biology, 2016, 161, 177-183.	1.7	51
23	The German ROP Registry: data from 90 infants treated for retinopathy of prematurity. Acta Ophthalmologica, 2016, 94, e744-e752.	0.6	31
24	Pharmacokinetics of Intravitreally Applied VEGF Inhibitors. Essentials in Ophthalmology, 2016, , 139-148.	0.0	2
25	Pre-Analytical Parameters Affecting Vascular Endothelial Growth Factor Measurement in Plasma: Identifying Confounders. PLoS ONE, 2016, 11, e0145375.	1.1	20
26	Effects of Inflammasome Activation on Secretion of Inflammatory Cytokines and Vascular Endothelial Growth Factor by Retinal Pigment Epithelial Cells. , 2015, 56, 6404.		25
27	INFLUENCE OF OCULAR VOLUME AND LENS STATUS ON PHARMACOKINETICS AND DURATION OF ACTION OF INTRAVITREAL VASCULAR ENDOTHELIAL GROWTH FACTOR INHIBITORS. Retina, 2015, 35, 69-74.	1.0	21
28	Light induces NLRP3 inflammasome activation in retinal pigment epithelial cells via lipofuscin-mediated photooxidative damage. Journal of Molecular Medicine, 2015, 93, 905-916.	1.7	67
29	Complement Component C5a Primes Retinal Pigment Epithelial Cells for Inflammasome Activation by Lipofuscin-mediated Photooxidative Damage. Journal of Biological Chemistry, 2015, 290, 31189-31198.	1.6	59
30	In-depth mass spectrometric mapping of the human vitreous proteome. Proteome Science, 2013, 11, 22.	0.7	58
31	Generation of Retinal Pigment Epithelial Cells from Small Molecules and <i>OCT4</i> Reprogrammed Human Induced Pluripotent Stem Cells. Stem Cells Translational Medicine, 2012, 1, 96-109.	1.6	83
32	High-resolution optical coherence tomography of subpigment epithelial structures in patients with pigment epithelium detachment secondary to age-related macular degeneration. British Journal of Ophthalmology, 2012, 96, 1088-1091.	2.1	19
33	Intraocular Pharmacokinetics of Ranibizumab Following a Single Intravitreal Injection in Humans. American Journal of Ophthalmology, 2012, 154, 682-686.e2.	1.7	202
34	Using Flow Cytometry to Compare the Dynamics of Photoreceptor Outer Segment Phagocytosis in iPS-Derived RPE Cells. , 2012, 53, 6282.		46
35	Concentrations of unbound bevacizumab in the aqueous of untreated fellow eyes after a single intravitreal injection in humans. Acta Ophthalmologica, 2012, 90, 68-70.	0.6	29
36	INTRAOCULAR PHARMACOKINETICS AFTER A SINGLE INTRAVITREAL INJECTION OF 1.5 mg VERSUS 3.0 mg OF BEVACIZUMAB IN HUMANS. Retina, 2011, 31, 1877-1884.	1.0	104

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37	Astrocyte pVHL and HIF-1 α isoforms are required for embryonic-to-adult vascular transition in the eye. <i>Journal of Cell Biology</i> , 2011, 195, 689-701.	2.3	26
38	Lipid metabolites in the pathogenesis and treatment of neovascular eye disease. <i>British Journal of Ophthalmology</i> , 2011, 95, 1496-1501.	2.1	22
39	Astrocyte hypoxic response is essential for pathological but not developmental angiogenesis of the retina. <i>Glia</i> , 2010, 58, 1177-1185.	2.5	142
40	No Evidence to Support the Use of Plasmapheresis for Age-Related Macular Degeneration. <i>Therapeutic Apheresis and Dialysis</i> , 2010, 14, 607-608.	0.4	2
41	Apical-to-Basolateral Transcytosis of Photoreceptor Outer Segments Induced by Lipid Peroxidation Products in Human Retinal Pigment Epithelial Cells. , 2010, 51, 553.		40
42	Routes for drug delivery to the eye and retinaintravitreal injections and vitrectomy. , 2010, , 67-73.		0
43	Lipid peroxidation products reduce lysosomal protease activities in human retinal pigment epithelial cells via two different mechanisms of action. <i>Experimental Eye Research</i> , 2010, 90, 261-266.	1.2	81
44	Effects of lipid peroxidation products on lipofuscinogenesis and autophagy in human retinal pigment epithelial cells. <i>Experimental Eye Research</i> , 2010, 90, 465-471.	1.2	135
45	Stemming vision loss with stem cells. <i>Journal of Clinical Investigation</i> , 2010, 120, 3012-3021.	3.9	38
46	Effect of 308 nm excimer laser irradiation on retinal pigment epithelium cell viability in vitro. <i>British Journal of Ophthalmology</i> , 2009, 93, 91-95.	2.1	8
47	ICAM-1 depletion does not alter retinal vascular development in a model of oxygen-mediated neovascularization. <i>Experimental Eye Research</i> , 2009, 89, 503-510.	1.2	13
48	Plasmapheresis for Dry Age-Related Macular Degeneration—Evidence Based?. <i>Retina</i> , 2009, 29, 569-572.	1.0	10
49	Intraocular Pharmacokinetics of Bevacizumab After a Single Intravitreal Injection in Humans. <i>American Journal of Ophthalmology</i> , 2008, 146, 508-512.	1.7	331
50	Effects of Lipid Peroxidation-Related Protein Modifications on RPE Lysosomal Functions and POS Phagocytosis. , 2007, 48, 1342.		115
51	Geldanamycin treatment reduces neovascularization in a mouse model of retinopathy of prematurity. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2007, 245, 258-266.	1.0	18
52	New Pharmacologic Approaches to Therapy for Age-Related Macular Degeneration. <i>BioDrugs</i> , 2006, 20, 167-179.	2.2	37
53	Pathological but Not Physiological Retinal Neovascularization Is Altered in TNF-Rp55-Receptor-Deficient Mice. , 2006, 47, 5057.		51
54	Pharmacokinetics and safety of intravitreally delivered etanercept. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2004, 242, 582-586.	1.0	39

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55	Immunotherapy directed against α -fetoprotein results in autoimmune liver disease during liver regeneration in mice. <i>Gastroenterology</i> , 2001, 121, 931-939.	0.6	32
56	Mechanisms of cell death induced by the suicide genes encoding purine nucleoside phosphorylase and thymidine kinase in human hepatocellular carcinoma cells in vitro. <i>Journal of Hepatology</i> , 2001, 34, 107-108.	1.8	0
57	Mechanisms of cell death induced by suicide genes encoding purine nucleoside phosphorylase and thymidine kinase in human hepatocellular carcinoma cells in vitro. <i>Hepatology</i> , 2001, 34, 511-518.	3.6	54
58	Gene therapy of hepatocellular carcinoma in vitro and in vivo in nude mice by adenoviral transfer of the <i>Escherichia coli</i> purine nucleoside phosphorylase gene. <i>Hepatology</i> , 2000, 31, 606-614.	3.6	76
59	Mouse α -fetoprotein-specific DNA-based immunotherapy of hepatocellular carcinoma leads to tumor regression in mice. <i>Gastroenterology</i> , 2000, 119, 1104-1112.	0.6	107
60	Mouse α -fetoprotein specific DNA-based immunotherapy of hepatocellular carcinoma to tumor regression in mice. <i>Journal of Hepatology</i> , 2000, 32, 86.	1.8	0