

Olaf Strauß

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

870
citations

430754

18
h-index

526166

27
g-index

48
all docs

48
docs citations

48
times ranked

1344
citing authors

#	ARTICLE	IF	CITATIONS
1	Ion channels and transporters of the retinal pigment epithelium. <i>Experimental Eye Research</i> , 2014, 126, 27-37.	1.2	61
2	The presence of bestrophin-1 modulates the Ca ²⁺ recruitment from Ca ²⁺ stores in the ER. <i>Pflugers Archiv European Journal of Physiology</i> , 2010, 460, 163-175.	1.3	53
3	Thyromamine induces TRPM8 channel activation in human conjunctival epithelial cells. <i>Cellular Signalling</i> , 2015, 27, 315-325.	1.7	43
4	Effect of bestrophin-1 on L-type Ca ²⁺ channel activity depends on the Ca ²⁺ channel beta-subunit. <i>Experimental Eye Research</i> , 2010, 91, 630-639.	1.2	41
5	Ca _v 1.3 L-type channels, maxiK Ca ²⁺ -dependent K ⁺ channels and bestrophin-1 regulate rhythmic photoreceptor outer segment phagocytosis by retinal pigment epithelial cells. <i>Cellular Signalling</i> , 2014, 26, 968-978.	1.7	40
6	Interaction of Bestrophin-1 and Ca ²⁺ Channel β -Subunits: Identification of New Binding Domains on the Bestrophin-1 C-Terminus. <i>PLoS ONE</i> , 2011, 6, e19364.	1.1	37
7	The Role of Bestrophin-1 in Intracellular Ca ²⁺ Signaling. <i>Advances in Experimental Medicine and Biology</i> , 2014, 801, 113-119.	0.8	35
8	Angiotensin-2-Mediated Ca ²⁺ Signaling in the Retinal Pigment Epithelium: Role of Angiotensin-Receptor-Associated-Protein and TRPV2 Channel. <i>PLoS ONE</i> , 2012, 7, e49624.	1.1	33
9	Stimulation of L-type Ca ²⁺ -Channels by Increase of Intracellular InsP3 in Rat Retinal Pigment Epithelial Cells. <i>Experimental Eye Research</i> , 2002, 74, 29-40.	1.2	30
10	Epithelial-Mesenchymal Transdifferentiation in Pediatric Lens Epithelial Cells. , 2018, 59, 5785.		30
11	Influence of Muscarinic Agonists and Tyrosine Kinase Inhibitors on L-type Ca ²⁺ -Channels in Human and Bovine Trabecular Meshwork Cells. <i>Experimental Eye Research</i> , 2000, 70, 285-293.	1.2	29
12	Pharmacology of the retinal pigment epithelium, the interface between retina and body system. <i>European Journal of Pharmacology</i> , 2016, 787, 84-93.	1.7	29
13	Self-Assembling Colloidal System for the Ocular Administration of Cyclosporine A. <i>Cornea</i> , 2014, 33, 77-81.	0.9	28
14	In vivo analysis of the time and spatial activation pattern of microglia in the retina following laser-induced choroidal neovascularization. <i>Experimental Eye Research</i> , 2015, 139, 13-21.	1.2	27
15	Anaphylatoxins Activate Ca ²⁺ , Akt/PI3-Kinase, and FOXO1/FoxP3 in the Retinal Pigment Epithelium. <i>Frontiers in Immunology</i> , 2017, 8, 703.	2.2	25
16	Anoctamin-4 is a bona fide Ca ²⁺ -dependent non-selective cation channel. <i>Scientific Reports</i> , 2019, 9, 2257.	1.6	25
17	Anoctamin2 (TMEM16B) forms the Ca ²⁺ -activated Cl ⁻ channel in the retinal pigment epithelium. <i>Experimental Eye Research</i> , 2017, 154, 139-150.	1.2	23
18	Lack of netrin-4 modulates pathologic neovascularization in the eye. <i>Scientific Reports</i> , 2016, 6, 18828.	1.6	20

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19	Multifocal ERG Recordings Under Visual Control of the Stimulated Fundus in Mice. , 2013, 54, 2582.		19
20	Expression profile of voltage-dependent Ca ²⁺ channel subunits in the human retinal pigment epithelium. Graefe's Archive for Clinical and Experimental Ophthalmology, 2008, 246, 685-692.	1.0	18
21	Factor H-related protein 1: a complement regulatory protein and guardian of necrotic-type surfaces. British Journal of Pharmacology, 2021, 178, 2823-2831.	2.7	17
22	Netrin-4 Mediates Corneal Hemangiogenesis but Not Lymphangiogenesis in the Mouse-Model of Suture-Induced Neovascularization. , 2017, 58, 1387.		16
23	Activation of endogenously expressed ion channels by active complement in the retinal pigment epithelium. Pflugers Archiv European Journal of Physiology, 2015, 467, 2179-2191.	1.3	14
24	B-Raf inhibition in conjunctival melanoma cell lines with PLX 4720. British Journal of Ophthalmology, 2015, 99, 1739-1745.	2.1	14
25	Transforming growth factor- β 1 primes proliferating adult neural progenitor cells to electrophysiological functionality. Glia, 2013, 61, 1767-1783.	2.5	13
26	Hypertensive retinopathy in a transgenic angiotensin-based model. Clinical Science, 2016, 130, 1075-1088.	1.8	13
27	Anti-angiogenic effect of the basement membrane protein nidogen-1 in a mouse model of choroidal neovascularization. Experimental Eye Research, 2014, 118, 80-88.	1.2	12
28	Intravitreal inhibition of complement C5a reduces choroidal neovascularization in mice. Graefe's Archive for Clinical and Experimental Ophthalmology, 2015, 253, 1695-1704.	1.0	12
29	Rab27a GTPase modulates L-type Ca ²⁺ channel function via interaction with the II-linker of Ca _v 1.3 subunit. Cellular Signalling, 2015, 27, 2231-2240.	1.7	10
30	Activation of a Cl ⁻ -Conductance by Protein Kinase-Dependent Phosphorylation in Cultured Rat Retinal Pigment Epithelial Cells. Experimental Eye Research, 1998, 66, 35-42.	1.2	9
31	Lack of antioxidative properties of vitamin C and pyruvate in cultured retinal pigment epithelial cells. Graefe's Archive for Clinical and Experimental Ophthalmology, 2007, 245, 276-281.	1.0	9
32	A Potential Cytosolic Function of Bestrophin-1. Advances in Experimental Medicine and Biology, 2012, 723, 603-610.	0.8	9
33	Contribution of Ion Channels in Calcium Signaling Regulating Phagocytosis: MaxiK, Cav1.3 and Bestrophin-1. Advances in Experimental Medicine and Biology, 2016, 854, 739-744.	0.8	8
34	Control of the retinal local RAS by the RPE: An interface to systemic RAS activity. Experimental Eye Research, 2019, 189, 107838.	1.2	8
35	Effects of empagliflozin and target-organ damage in a novel rodent model of heart failure induced by combined hypertension and diabetes. Scientific Reports, 2020, 10, 14061.	1.6	8
36	Inhibition of Ca ²⁺ channel surface expression by mutant bestrophin-1 in RPE cells. FASEB Journal, 2020, 34, 4055-4071.	0.2	8

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37	Activation of a Ca ²⁺ -dependent cation conductance with properties of TRPM2 by reactive oxygen species in lens epithelial cells. <i>Experimental Eye Research</i> , 2017, 161, 61-70.	1.2	6
38	Systemic α adrenergic stimulation/ sympathetic nerve system stimulation influences intraocular RAS through cAMP in the RPE. <i>Experimental Eye Research</i> , 2019, 189, 107828.	1.2	6
39	Lack of netrin-4 alters vascular remodeling in the retina. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2019, 257, 2179-2184.	1.0	6
40	Effects of TNF α receptor TNF-Rp55- or TNF-Rp75- deficiency on corneal neovascularization and lymphangiogenesis in the mouse. <i>PLoS ONE</i> , 2021, 16, e0245143.	1.1	6
41	Prolonged Src Kinase Activation, a Mechanism to Turn Transient, Sublytic Complement Activation into a Sustained Pathological Condition in Retinal Pigment Epithelium Cells. <i>Advances in Experimental Medicine and Biology</i> , 2014, 801, 221-227.	0.8	5
42	Second primary malignancies of eye and ocular adnexa after a first primary elsewhere in the body. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2021, 259, 515-526.	1.0	4
43	Prediction of Functional Consequences of Missense Mutations in ANO4 Gene. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2732.	1.8	3
44	Ca ²⁺ -Imaging Techniques to Analyze Ca ²⁺ Signaling in Cells and to Monitor Neuronal Activity in the Retina. <i>Methods in Molecular Biology</i> , 2012, 935, 297-308.	0.4	3
45	Spatial distribution of CD115+ and CD11b+ cells and their temporal activation during oxygen-induced retinopathy in mice. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2018, 256, 313-323.	1.0	2
46	Angiotensin-Receptor-Associated Protein Modulates Ca ²⁺ Signals in Photoreceptor and Mossy Fiber cells. <i>Scientific Reports</i> , 2019, 9, 19622.	1.6	2
47	Modulation of TTX-sensitive voltage-dependent Na ⁺ channels by β -bungarotoxin in rat cerebellar neurons. <i>BMC Neuroscience</i> , 2012, 13, 36.	0.8	1