Olaf StrauÃ

List of Publications by Year
in descending order

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47	870	430754	526166
papers	citations	18	27
		h-index	g-index

48	48	48	1344
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Factor Hâ€related protein 1: a complement regulatory protein and guardian of necroticâ€type surfaces. British Journal of Pharmacology, 2021, 178, 2823-2831.	2.7	17
2	Second primary malignancies of eye and ocular adnexa after a first primary elsewhere in the body. Graefe's Archive for Clinical and Experimental Ophthalmology, 2021, 259, 515-526.	1.0	4
3	Prediction of Functional Consequences of Missense Mutations in ANO4 Gene. International Journal of Molecular Sciences, 2021, 22, 2732.	1.8	3
4	Effects of TNFÎ± receptor TNF-Rp55- or TNF-Rp75- deficiency on corneal neovascularization and lymphangiogenesis in the mouse. PLoS ONE, 2021, 16, e0245143.	1.1	6
5	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
6	Inhibition of Ca ²⁺ channel surface expression by mutant bestrophinâ€1 in RPE cells. FASEB Journal, 2020, 34, 4055-4071.	0.2	8
7	Systemic ÃŸ adrenergic stimulation/ sympathetic nerve system stimulation influences intraocular RAS through cAMP in the RPE. Experimental Eye Research, 2019, 189, 107828.	1.2	6
8	Control of the retinal local RAS by the RPE: An interface to systemic RAS activity. Experimental Eye Research, 2019, 189, 107838.	1.2	8
9	Lack of netrin-4 alters vascular remodeling in the retina. Graefe's Archive for Clinical and Experimental Ophthalmology, 2019, 257, 2179-2184.	1.0	6
10	Anoctamin-4 is a bona fide Ca2+-dependent non-selective cation channel. Scientific Reports, 2019, 9, 2257.	1.6	25
11	Angiotensin-Receptor-Associated Protein Modulates Ca2+ Signals in Photoreceptor and Mossy Fiber cells. Scientific Reports, 2019, 9, 19622.	1.6	2
12	Spatial distribution of CD115+ and CD11b+ cells and their temporal activation during oxygen-induced retinopathy in mice. Graefe's Archive for Clinical and Experimental Ophthalmology, 2018, 256, 313-323.	1.0	2
13	Epithelial-Mesenchymal Transdifferentiation in Pediatric Lens Epithelial Cells. , 2018, 59, 5785.		30
14	Activation of a Ca2+-dependent cation conductance with properties of TRPM2 by reactive oxygen species in lens epithelial cells. Experimental Eye Research, 2017, 161, 61-70.	1.2	6
15	Anoctamin2 (TMEM16B) forms the Ca2+-activated Clâ^' channel in the retinal pigment epithelium. Experimental Eye Research, 2017, 154, 139-150.	1.2	23
16	Anaphylatoxins Activate Ca2+, Akt/PI3-Kinase, and FOXO1/FoxP3 in the Retinal Pigment Epithelium. Frontiers in Immunology, 2017, 8, 703.	2.2	25
17	Netrin-4 Mediates Corneal Hemangiogenesis but Not Lymphangiogenesis in the Mouse-Model of Suture-Induced Neovascularization. , 2017, 58, 1387.		16
18	Pharmacology of the retinal pigment epithelium, the interface between retina and body system. European Journal of Pharmacology, 2016, 787, 84-93.	1.7	29

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19	Hypertensive retinopathy in a transgenic angiotensin-based model. Clinical Science, 2016, 130, 1075-1088.	1.8	13
20	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
21	Lack of netrin-4 modulates pathologic neovascularization in the eye. Scientific Reports, 2016, 6, 18828.	1.6	20
22	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
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	Rab27a GTPase modulates L-type Ca 2+ channel function via interaction with the IIâ€“III linker of Ca V 1.3 subunit. Cellular Signalling, 2015, 27, 2231-2240.	1.7	10
25	InÂvivo analysis of the time and spatial activation pattern of microglia in the retina following laser-induced choroidal neovascularization. Experimental Eye Research, 2015, 139, 13-21.	1.2	27
26	B-Raf inhibition in conjunctival melanoma cell lines with PLX 4720. British Journal of Ophthalmology, 2015, 99, 1739-1745.	2.1	14
27	Thyronamine induces TRPM8 channel activation in human conjunctival epithelial cells. Cellular Signalling, 2015, 27, 315-325.	1.7	43
28	Self-Assembling Colloidal System for the Ocular Administration of Cyclosporine A. Cornea, 2014, 33, 77-81.	0.9	28
29	Ion channels and transporters of the retinal pigment epithelium. Experimental Eye Research, 2014, 126, 27-37.	1.2	61
30	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
31	CaV1.3 L-type channels, maxiK Ca2+-dependent K+ channels and bestrophin-1 regulate rhythmic photoreceptor outer segment phagocytosis by retinal pigment epithelial cells. Cellular Signalling, 2014, 26, 968-978.	1.7	40
32	The Role of Bestrophin-1 in Intracellular Ca2+ Signaling. Advances in Experimental Medicine and Biology, 2014, 801, 113-119.	0.8	35
33	Prolonged Src Kinase Activation, a Mechanism to Turn Transient, Sublytic Complement Activation into a Sustained Pathological Condition in Retinal Pigment Epithelium Cells. Advances in Experimental Medicine and Biology, 2014, 801, 221-227.	0.8	5
34	Transforming growth factor-Î²1 primes proliferating adult neural progenitor cells to electrophysiological functionality. Glia, 2013, 61, 1767-1783.	2.5	13
35	Multifocal ERG Recordings Under Visual Control of the Stimulated Fundus in Mice. , 2013, 54, 2582.		19
36	Modulation of TTX-sensitive voltage-dependent Na+ channels by Î²-bungarotoxin in rat cerebellar neurons. BMC Neuroscience, 2012, 13, 36.	0.8	1

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37	Angiotensin-2-Mediated Ca2+ Signaling in the Retinal Pigment Epithelium: Role of Angiotensin-Receptor-Associated-Protein and TRPV2 Channel. PLoS ONE, 2012, 7, e49624.	1.1	33
38	A Potential Cytosolic Function of Bestrophin-1. Advances in Experimental Medicine and Biology, 2012, 723, 603-610.	0.8	9
39	Ca2+-Imaging Techniques to Analyze Ca2+ Signaling in Cells and to Monitor Neuronal Activity in the Retina. Methods in Molecular Biology, 2012, 935, 297-308.	0.4	3
40	Interaction of Bestrophin-1 and Ca2+ Channel Î²-Subunits: Identification of New Binding Domains on the Bestrophin-1 C-Terminus. PLoS ONE, 2011, 6, e19364.	1.1	37
41	The presence of bestrophin-1 modulates the Ca2+ recruitment from Ca2+ stores in the ER. Pflugers Archiv European Journal of Physiology, 2010, 460, 163-175.	1.3	53
42	Effect of bestrophin-1 on L-type Ca2+ channel activity depends on the Ca2+ channel beta-subunit. Experimental Eye Research, 2010, 91, 630-639.	1.2	41
43	Expression profile of voltage-dependent Ca2+ channel subunits in the human retinal pigment epithelium. Graefe's Archive for Clinical and Experimental Ophthalmology, 2008, 246, 685-692.	1.0	18
44	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
45	Stimulation of L-type Ca2+Channels by Increase of Intracellular InsP3 in Rat Retinal Pigment Epithelial Cells. Experimental Eye Research, 2002, 74, 29-40.	1.2	30
46	Influence of Muscarinic Agonists and Tyrosine Kinase Inhibitors on L-type Ca2+Channels in Human and Bovine Trabecular Meshwork Cells. Experimental Eye Research, 2000, 70, 285-293.	1.2	29
47	Activation of a Clâ^'-Conductance by Protein Kinase-Dependent Phosphorylation in Cultured Rat Retinal Pigment Epithelial Cells. Experimental Eye Research, 1998, 66, 35-42.	1.2	9