Alexa Klettner

List of Publications by Year
in descending order

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Version: 2024-02-01

64	1,647	257450 24	361022 35
papers	citations	h-index	g-index

65	65	65	1876
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Pro-inflammatory activation changes intracellular transport of bevacizumab in the retinal pigment epithelium in vitro. Graefe's Archive for Clinical and Experimental Ophthalmology, 2022, 260, 857-872.	1.9	2
2	Influence of carrier materials and coatings on retinal pigment epithelium cultivation and functions. Experimental Eye Research, 2022, 219, 109063.	2.6	1
3	Response of Retinal Pigment Epithelium (RPE)â€Choroid Explants to Thermal Stimulation Therapy of the RPE (TSR). Lasers in Surgery and Medicine, 2021, 53, 359-369.	2.1	3
4	Retina in a dish: Cell cultures, retinal explants and animal models for common diseases of the retina. Progress in Retinal and Eye Research, 2021, 81, 100880.	15.5	71
5	Basolateral activation with TLR agonists induces polarized cytokine release and reduces barrier function in RPE in vitro. Graefe's Archive for Clinical and Experimental Ophthalmology, 2021, 259, 413-424.	1.9	10
6	The Influence of Melatonin and Light on VEGF Secretion in Primary RPE Cells. Biomolecules, 2021, 11, 114.	4.0	12
7	Effect of Long-term Anti-VEGF Treatment on Viability and Function of RPE Cells. Current Eye Research, 2021, , 1-8.	1.5	3
8	Retinal Pigment Epithelium Expressed Toll-like Receptors and Their Potential Role in Age-Related Macular Degeneration. International Journal of Molecular Sciences, 2021, 22, 8387.	4.1	14
9	Evaluation of the Effects of Fucoidans from Fucus Species and Laminaria hyperborea against Oxidative Stress and Iron-Dependent Cell Death. Marine Drugs, 2021, 19, 557.	4.6	16
10	Selective retina therapy and thermal stimulation of the retina: different regenerative properties - implications for AMD therapy. BMC Ophthalmology, 2021, 21, 412.	1.4	2
11	CRB1rd8 mutation influences the age-related macular degeneration phenotype of NRF2 knockout mice and favors choroidal neovascularization. Advances in Medical Sciences, 2020, 65, 71-77.	2.1	7
12	Effect of long-term inflammation on viability and function of RPE cells. Experimental Eye Research, 2020, 200, 108214.	2.6	19
13	Differences in uptake and intracellular fate between Bevacizumab and Aflibercept after repetitive long-term treatment in the RPE. Ophthalmic Research, 2020, 64, 369-388.	1.9	3
14	Interaction of inflammatorily activated retinal pigment epithelium with retinal microglia and neuronal cells. Experimental Eye Research, 2020, 199, 108167.	2.6	13
15	Evaluation of a Brown Seaweed Extract from Dictyosiphon foeniculaceus as a Potential Therapeutic Agent for the Treatment of Glioblastoma and Uveal Melanoma. Marine Drugs, 2020, 18, 625.	4.6	4
16	Fucoidans as Potential Therapeutics for Age-Related Macular Degenerationâ€"Current Evidence from In Vitro Research. International Journal of Molecular Sciences, 2020, 21, 9272.	4.1	15
17	Effects of a Newly Developed Enzyme-Assisted Extraction Method on the Biological Activities of Fucoidans in Ocular Cells. Marine Drugs, 2020, 18, 282.	4.6	21
18	Emulsified silicone oil is taken up by and induces pro-inflammatory response in primary retinal microglia. Graefe's Archive for Clinical and Experimental Ophthalmology, 2020, 258, 1965-1974.	1.9	8

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19	Modulation of inflammatory processes by thermal stimulating and RPE regenerative laser therapies in age related macular degeneration mouse models. Cytokine: X, 2020, 2, 100031.	1.4	2
20	Compromised Barrier Function in Human Induced Pluripotent Stem-Cell-Derived Retinal Pigment Epithelial Cells from Type 2 Diabetic Patients. International Journal of Molecular Sciences, 2019, 20, 3773.	4.1	30
21	Comparison of the Effects of Fucoidans on the Cell Viability of Tumor and Non-Tumor Cell Lines. Marine Drugs, 2019, 17, 441.	4.6	28
22	Effects of Crude Fucus distichus Subspecies evanescens Fucoidan Extract on Retinal Pigment Epithelium Cellsâ€•Implications for Use in Age-Related Macular Degeneration. Marine Drugs, 2019, 17, 538.	4.6	18
23	Effects of Sulfated Fucans from Laminaria hyperborea Regarding VEGF Secretion, Cell Viability, and Oxidative Stress and Correlation with Molecular Weight. Marine Drugs, 2019, 17, 548.	4.6	21
24	Effects of Fucoidans from Five Different Brown Algae on Oxidative Stress and VEGF Interference in Ocular Cells. Marine Drugs, 2019, 17, 258.	4.6	35
25	Selective Retina Therapy Reduces Bruch's Membrane Thickness and Retinal Pigment Epithelium Pathology in Age-Related Macular Degeneration Mouse Models. Translational Vision Science and Technology, 2019, 8, 11.	2.2	17
26	Porcine RPE/Choroidal Explant Cultures. Methods in Molecular Biology, 2019, 1834, 109-118.	0.9	6
27	Long-term treatment with anti-VEGF does not induce cell aging in primary retinal pigment epithelium. Experimental Eye Research, 2018, 171, 1-11.	2.6	12
28	Thermal Stimulation of the Retina Reduces Bruch's Membrane Thickness in Age Related Macular Degeneration Mouse Models. Translational Vision Science and Technology, 2018, 7, 2.	2.2	29
29	Release of Different Cell Mediators During Retinal Pigment Epithelium Regeneration Following Selective Retina Therapy. , 2018, 59, 1323.		33
30	Intravitreal injection of anti-Interleukin (IL)-6 antibody attenuates experimental autoimmune uveitis in mice. Cytokine, 2017, 96, 8-15.	3.2	19
31	Ocular Trauma Score as prognostic value in traumatic ocular injuries due to rotating wire brushes. Graefe's Archive for Clinical and Experimental Ophthalmology, 2017, 255, 1037-1042.	1.9	9
32	<scp>R</scp>eduction of <scp>GAPDH</scp> in lenses of <scp>P</scp>arkinson's disease patients: <scp>A</scp> possible new biomarker. Movement Disorders, 2017, 32, 459-462.	3.9	10
33	Fucoidan Does Not Exert Anti-Tumorigenic Effects on Uveal Melanoma Cell Lines. Marine Drugs, 2017, 15, 193.	4.6	25
34	The Antiproliferative Effect of Bevacizumab on Human Tenon Fibroblasts Is Not Mediated by Vascular Endothelial Growth Factor Inhibition. , 2016, 57, 4970.		7
35	Fucoidan as a Potential Therapeutic for Major Blinding Diseasesâ€”A Hypothesis. Marine Drugs, 2016, 14, 31.	4.6	33
36	<scp>A</scp>lpha synuclein and crystallin expression in human lens in <scp>P</scp>arkinson's disease. Movement Disorders, 2016, 31, 600-601.	3.9	18

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37	The role of Fc-receptors in the uptake and transport of therapeutic antibodies in the retinal pigment epithelium. Experimental Eye Research, 2016, 145, 187-205.	2.6	25
38	Pre-Analytical Parameters Affecting Vascular Endothelial Growth Factor Measurement in Plasma: Identifying Confounders. PLoS ONE, 2016, 11, e0145375.	2.5	20
39	Effects of Cytokine Activation and Oxidative Stress on the Function of the Human Embryonic Stem Cellâ€"Derived Retinal Pigment Epithelial Cells. , 2015, 56, 6265.		22
40	Intracellular pathways following uptake of bevacizumab in RPE cells. Experimental Eye Research, 2015, 131, 29-41.	2.6	33
41	Compatibility of recombinant tissue plasminogen activator (rtPA) and aflibercept or ranibizumab coapplied for neovascular age-related macular degeneration with submacular haemorrhage. British Journal of Ophthalmology, 2015, 99, 864-869.	3.9	25
42	Oxidative Stress Induces Biphasic ERK1/2 Activation in the RPE with Distinct Effects on Cell Survival at Early and Late Activation. Current Eye Research, 2015, 40, 853-857.	1.5	30
43	Basal and apical regulation of VEGF-A and placenta growth factor in the RPE/choroid and primary RPE. Molecular Vision, 2015, 21, 736-48.	1.1	29
44	Fucoidan Reduces Secretion and Expression of Vascular Endothelial Growth Factor in the Retinal Pigment Epithelium and Reduces Angiogenesis In Vitro. PLoS ONE, 2014, 9, e89150.	2.5	59
45	Comparison of the efficacy of aflibercept, ranibizumab, and bevacizumab in an RPE/choroid organ culture. Graefe's Archive for Clinical and Experimental Ophthalmology, 2014, 252, 1593-1598.	1.9	42
46	Effects of aflibercept on primary RPE cells: toxicity, wound healing, uptake and phagocytosis. British Journal of Ophthalmology, 2014, 98, 1448-1452.	3.9	44
47	The retinal pigment epithelium (RPE) induces FasL and reduces iNOS and Cox2 in primary monocytes. Graefe's Archive for Clinical and Experimental Ophthalmology, 2014, 252, 1747-1754.	1.9	12
48	Hyperthermia-induced upregulation of vascular endothelial growth factor in retinal pigment epithelial cells is regulated by mitogen-activated protein kinases. Graefe's Archive for Clinical and Experimental Ophthalmology, 2014, 252, 1737-1745.	1.9	20
49	Retinal pigment epithelium cells alter the proâ€inflammatory response of retinal microglia to <scp>TLR</scp>â€3 stimulation. Acta Ophthalmologica, 2014, 92, e621-9.	1.1	21
50	Cellular and molecular mechanisms of age-related macular degeneration: From impaired autophagy to neovascularization. International Journal of Biochemistry and Cell Biology, 2013, 45, 1457-1467.	2.8	66
51	Isolation of porcine monocyte population: a simple and efficient method. Veterinary Research Communications, 2013, 37, 239-241.	1.6	6
52	Tollâ€like receptor 3 activation in retinal pigment epithelium cells â€" Mitogenâ€activated protein kinase pathways of cell death and vascular endothelial growth factor secretion. Acta Ophthalmologica, 2013, 91, e211-8.	1.1	38
53	Open globe injuries by rotating wire brushes. Acta Ophthalmologica, 2013, 91, e653-e654.	1.1	2
54	Regulation of constitutive vascular endothelial growth factor secretion in retinal pigment epithelium/choroid organ cultures: p38, nuclear factor ÎºB, and the vascular endothelial growth factor receptor-2/phosphatidylinositol 3 kinase pathway. Molecular Vision, 2013, 19, 281-91.	1.1	54

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55	Oxidative stress induced cellular signaling in RPE cells. Frontiers in Bioscience - Scholar, 2012, S4, 392-411.	2.1	65
56	Oxidative stress induced cellular signaling in RPE cells. Frontiers in Bioscience - Scholar, 2012, S4, 392.	2.1	41
57	Quantifying FITC-Labeled Latex Beads Opsonized with Photoreceptor Outer Segment Fragments: An Easy and Inexpensive Method of Investigating Phagocytosis in Retinal Pigment Epithelium Cells. Ophthalmic Research, 2011, 46, 88-91.	1.9	18
58	SAFETY TESTING OF INDOCYANINE GREEN WITH DIFFERENT SURGICAL LIGHT SOURCES AND THE PROTECTIVE EFFECT OF OPTICAL FILTERS. Retina, 2010, 30, 1685-1691.	1.7	16
59	Intracellular bevacizumab reduces phagocytotic uptake in RPE cells. Graefe's Archive for Clinical and Experimental Ophthalmology, 2010, 248, 819-824.	1.9	40
60	VEGF Antagonists Decrease Barrier Function of Retinal Pigment Epithelium In Vitro: Possible Participation of Intracellular Glutathione. Investigative Ophthalmology and Visual Science, 2010, 51, 4848-4855.	3.3	43
61	Change of Morphological and Functional Characteristics of Retinal Pigment Epithelium Cells during Cultivation of Retinal Pigment Epithelium-Choroid Perfusion Tissue Culture. Ophthalmic Research, 2010, 43, 122-133.	1.9	29
62	Deferoxamine mesylate is toxic for retinal pigment epithelium cellsin vitro, and its toxicity is mediated by p38. Cutaneous and Ocular Toxicology, 2010, 29, 122-129.	1.3	35
63	Constitutive and oxidative-stress-induced expression of VEGF in the RPE are differently regulated by different Mitogen-activated protein kinases. Graefe's Archive for Clinical and Experimental Ophthalmology, 2009, 247, 1487-1492.	1.9	65
64	Comparison of Bevacizumab, Ranibizumab, and Pegaptanib In Vitro: Efficiency and Possible Additional Pathways. , 2008, 49, 4523.		167