

Goran Petrovski

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.

90
papers

8,928
citations

28
h-index

94
g-index

100
ext. papers

9,986
ext. citations

4.2
avg. IF

4.91
L-index

#	Paper	IF	Citations
90	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016 , 12, 1-222	10.2	3838
89	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012 , 8, 445-546	10.2	2783
88	Autophagy and heterophagy dysregulation leads to retinal pigment epithelium dysfunction and development of age-related macular degeneration. <i>Autophagy</i> , 2013 , 9, 973-84	10.2	224
87	Resveratrol in cardiovascular health and disease. <i>Annals of the New York Academy of Sciences</i> , 2011 , 1215, 22-33	6.5	170
86	Oxidative stress, hypoxia, and autophagy in the neovascular processes of age-related macular degeneration. <i>BioMed Research International</i> , 2014 , 2014, 768026	3	153
85	Molecular mechanisms of retinal pigment epithelium damage and development of age-related macular degeneration. <i>Acta Ophthalmologica</i> , 2012 , 90, 299-309	3.7	141
84	Autophagy activation clears ELAVL1/HuR-mediated accumulation of SQSTM1/p62 during proteasomal inhibition in human retinal pigment epithelial cells. <i>PLoS ONE</i> , 2013 , 8, e69563	3.7	119
83	Cell death and autophagy: cytokines, drugs, and nutritional factors. <i>Toxicology</i> , 2008 , 254, 147-57	4.4	103
82	ATP release from dying autophagic cells and their phagocytosis are crucial for inflammasome activation in macrophages. <i>PLoS ONE</i> , 2012 , 7, e40069	3.7	96
81	Cardioprotection by endoplasmic reticulum stress-induced autophagy. <i>Antioxidants and Redox Signaling</i> , 2011 , 14, 2191-200	8.4	91
80	Loss of NRF-2 and PGC-1 β genes leads to retinal pigment epithelium damage resembling dry age-related macular degeneration. <i>Redox Biology</i> , 2019 , 20, 1-12	11.3	73
79	Phagocytosis of cells dying through autophagy induces inflammasome activation and IL-1 β release in human macrophages. <i>Autophagy</i> , 2011 , 7, 321-30	10.2	51
78	Autophagy shapes inflammation. <i>Antioxidants and Redox Signaling</i> , 2011 , 14, 2233-43	8.4	48
77	Ex vivo expanded autologous limbal epithelial cells on amniotic membrane using a culture medium with human serum as single supplement. <i>Experimental Eye Research</i> , 2012 , 97, 1-9	3.7	44
76	Hypoxia and inflammation in the release of VEGF and interleukins from human retinal pigment epithelial cells. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 2017 , 255, 1757-1762	3.8	40
75	Cultivation and characterization of cornea limbal epithelial stem cells on lens capsule in animal material-free medium. <i>PLoS ONE</i> , 2012 , 7, e47187	3.7	38
74	Activation of neural progenitor cells in human eyes with proliferative vitreoretinopathy. <i>Experimental Eye Research</i> , 2012 , 98, 28-36	3.7	36

73	Hsp90 inhibition as a means to inhibit activation of the NLRP3 inflammasome. <i>Scientific Reports</i> , 2018 , 8, 6720	4.9	35
72	Inflammation and the apopto-phagocytic system. <i>Immunology Letters</i> , 2006 , 104, 94-101	4.1	35
71	Coronavirus disease 2019 (COVID-19) outbreak at the Department of Ophthalmology, Oslo University Hospital, Norway. <i>Acta Ophthalmologica</i> , 2020 , 98, e388-e389	3.7	34
70	Does autophagy take a front seat in lifespan extension?. <i>Journal of Cellular and Molecular Medicine</i> , 2010 , 14, 2543-51	5.6	34
69	Phagocytosis of cells dying through autophagy evokes a pro-inflammatory response in macrophages. <i>Autophagy</i> , 2007 , 3, 509-11	10.2	34
68	Role of Human Corneal Stroma-Derived Mesenchymal-Like Stem Cells in Corneal Immunity and Wound Healing. <i>Scientific Reports</i> , 2016 , 6, 26227	4.9	34
67	5RAdenosine monophosphate-activated protein kinase--mammalian target of rapamycin axis as therapeutic target for age-related macular degeneration. <i>Rejuvenation Research</i> , 2011 , 14, 651-60	2.6	32
66	Enhanced regeneration of corneal tissue via a bioengineered collagen construct implanted by a nondisruptive surgical technique. <i>Tissue Engineering - Part A</i> , 2015 , 21, 1116-30	3.9	30
65	Estrogen signalling in the pathogenesis of age-related macular degeneration. <i>Current Eye Research</i> , 2015 , 40, 226-33	2.9	29
64	Association between mediators in the tear fluid and the severity of keratoconus. <i>Ophthalmic Research</i> , 2014 , 51, 46-51	2.9	29
63	Two dietary polyphenols, fisetin and luteolin, reduce inflammation but augment DNA damage-induced toxicity in human RPE cells. <i>Journal of Nutritional Biochemistry</i> , 2017 , 42, 37-42	6.3	28
62	Ageing of the vitreous: From acute onset floaters and flashes to retinal detachment. <i>Ageing Research Reviews</i> , 2015 , 21, 71-7	12	27
61	Human pluripotent stem cell-derived limbal epithelial stem cells on bioengineered matrices for corneal reconstruction. <i>Experimental Eye Research</i> , 2016 , 146, 26-34	3.7	26
60	Transglutaminase-mediated intramolecular cross-linking of membrane-bound alpha-synuclein promotes amyloid formation in Lewy bodies. <i>Journal of Biological Chemistry</i> , 2009 , 284, 27252-64	5.4	26
59	Nutraceutical with Resveratrol and Omega-3 Fatty Acids Induces Autophagy in ARPE-19 Cells. <i>Nutrients</i> , 2016 , 8,	6.7	24
58	Tools for the detection and quantitation of protein transglutamination. <i>Analytical Biochemistry</i> , 2005 , 342, 1-10	3.1	23
57	Anatomical success rate of pars plana vitrectomy for treatment of complex rhegmatogenous retinal detachment. <i>BMC Ophthalmology</i> , 2016 , 16, 216	2.3	23
56	Resveratrol as Inducer of Autophagy, Pro-Survival, and Anti-Inflammatory Stimuli in Cultured Human RPE Cells. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	22

55	Long-Term Cultures of Human Cornea Limbal Explants Form 3D Structures Ex Vivo - Implications for Tissue Engineering and Clinical Applications. <i>PLoS ONE</i> , 2015 , 10, e0143053	3.7	21
54	The cytoprotective effect of biglycan core protein involves Toll-like receptor 4 signaling in cardiomyocytes. <i>Journal of Molecular and Cellular Cardiology</i> , 2016 , 99, 138-150	5.8	20
53	Comparative proteomic analysis of human embryonic stem cell-derived and primary human retinal pigment epithelium. <i>Scientific Reports</i> , 2017 , 7, 6016	4.9	19
52	Pigment epithelial cells isolated from human peripheral iridectomies have limited properties of retinal stem cells. <i>Acta Ophthalmologica</i> , 2011 , 89, e635-44	3.7	18
51	Comparative proteomics reveals human pluripotent stem cell-derived limbal epithelial stem cells are similar to native ocular surface epithelial cells. <i>Scientific Reports</i> , 2015 , 5, 14684	4.9	16
50	A porous collagen-based hydrogel and implantation method for corneal stromal regeneration and sustained local drug delivery. <i>Scientific Reports</i> , 2020 , 10, 16936	4.9	16
49	Does the adult human ciliary body epithelium contain "true" retinal stem cells?. <i>BioMed Research International</i> , 2013 , 2013, 531579	3	15
48	Dynamic intraoperative optical coherence tomography for inverted internal limiting membrane flap technique in large macular hole surgery. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 2019 , 257, 1649-1659	3.8	13
47	A simple method for establishing adherent ex vivo explant cultures from human eye pathologies for use in subsequent calcium imaging and inflammatory studies. <i>Journal of Immunology Research</i> , 2014 , 2014, 232659	4.5	13
46	Clearance of dying ARPE-19 cells by professional and nonprofessional phagocytes in vitro-implications for age-related macular degeneration (AMD). <i>Acta Ophthalmologica</i> , 2011 , 89, e30-4	3.7	13
45	Human Embryonic Stem Cell-Derived Retinal Pigment Epithelium-Role in Dead Cell Clearance and Inflammation. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	11
44	Comparison of upstream regulators in human ex vivo cultured cornea limbal epithelial stem cells and differentiated corneal epithelial cells. <i>BMC Genomics</i> , 2013 , 14, 900	4.5	11
43	Herpes simplex virus types 1 and 2 modulate autophagy in SIRC corneal cells. <i>Journal of Biosciences</i> , 2014 , 39, 683-92	2.3	10
42	Functional and molecular characterization of ex vivo cultured epiretinal membrane cells from human proliferative diabetic retinopathy. <i>BioMed Research International</i> , 2013 , 2013, 492376	3	10
41	Morphological and proliferative studies on ex vivo cultured human anterior lens epithelial cells - relevance to capsular opacification. <i>Acta Ophthalmologica</i> , 2015 , 93, e499-506	3.7	9
40	UV-B-Induced Inflammasome Activation Can Be Prevented by Cis-Urocanic Acid in Human Corneal Epithelial Cells 2020 , 61, 7		9
39	Clinical and molecular markers in retinal detachment-From hyperreflective points to stem cells and inflammation. <i>PLoS ONE</i> , 2019 , 14, e0217548	3.7	8
38	Reorganize and survive-a recommendation for healthcare services affected by COVID-19-the ophthalmology experience. <i>Eye</i> , 2020 , 34, 1177-1179	4.4	8

37	The proteomic profile of a mouse model of proliferative vitreoretinopathy. <i>FEBS Open Bio</i> , 2017 , 7, 11662-11778		
36	Multicellular tumor spheroids of human uveal melanoma induce genes associated with anoikis resistance, lipogenesis, and SSXs. <i>Molecular Vision</i> , 2017 , 23, 680-694	2.3	7
35	Triamcinolone regulated apopto-phagocytic gene expression patterns in the clearance of dying retinal pigment epithelial cells. A key role of Mertk in the enhanced phagocytosis. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2015 , 1850, 435-46	4	6
34	Characterization of ex vivo cultured neuronal- and glial- like cells from human idiopathic epiretinal membranes. <i>BMC Ophthalmology</i> , 2014 , 14, 165	2.3	6
33	Benzalkonium Chloride-Preserved Anti-Glaucomatous Eye Drops and Their Effect on Human Conjunctival Goblet Cells in vitro. <i>Biomedicine Hub</i> , 2021 , 6, 69-75	1.3	6
32	Microplasma Induced Cell Morphological Changes and Apoptosis of Ex Vivo Cultured Human Anterior Lens Epithelial Cells - Relevance to Capsular Opacification. <i>PLoS ONE</i> , 2016 , 11, e0165883	3.7	5
31	Outcomes of Vitrectomy for Long-Duration Macular Hole. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	5
30	An Update on COVID-19 Related Ophthalmic Manifestations. <i>Ocular Immunology and Inflammation</i> , 2021 , 29, 684-689	2.8	5
29	Proliferative Cells Isolated from the Adult Human Peripheral Retina only Transiently Upregulate Key Retinal Markers upon Induced Differentiation. <i>Current Eye Research</i> , 2018 , 43, 340-349	2.9	5
28	Venular oxygen saturation is increased in young patients with type 1 diabetes and mild nonproliferative diabetic retinopathy. <i>Acta Ophthalmologica</i> , 2020 , 98, 800-807	3.7	4
27	Unilateral acute anterior uveitis is associated with ipsilateral changes in the tear fluid proteome that involves the LXR/RXR pathway. <i>Journal of Ophthalmic Inflammation and Infection</i> , 2020 , 10, 13	2.3	4
26	Ex vivo 3D human corneal stroma model for Schnyder corneal dystrophy - role of autophagy in its pathogenesis and resolution. <i>Histology and Histopathology</i> , 2018 , 33, 455-462	1.4	4
25	Long-term myofibroblast persistence in the capsular bag contributes to the late spontaneous in-the-bag intraocular lens dislocation. <i>Scientific Reports</i> , 2020 , 10, 20532	4.9	4
24	Associations between Macular OCT Angiography and Nonproliferative Diabetic Retinopathy in Young Patients with Type 1 Diabetes Mellitus. <i>Journal of Diabetes Research</i> , 2020 , 2020, 8849116	3.9	4
23	Conjunctival Goblet Cells, the Overlooked Cells in Glaucoma Treatment. <i>Journal of Glaucoma</i> , 2019 , 28, 325-333	2.1	4
22	The configuration of the vitreomacular interface determines the pattern of pseudophakic cystoid macular oedema. <i>Acta Ophthalmologica</i> , 2017 , 95, e347-e348	3.7	3
21	Cultivation and characterization of pterygium as an ex vivo study model for disease and therapy. <i>Contact Lens and Anterior Eye</i> , 2017 , 40, 283-292	4.1	3
20	Cost-effectiveness of the triple procedure - phacovitrectomy with posterior capsulotomy compared to phacovitrectomy and sequential procedures. <i>Acta Ophthalmologica</i> , 2020 , 98, 592-602	3.7	3

19	Effect of Isolation Technique and Location on the Phenotype of Human Corneal Stroma-Derived Cells. <i>Stem Cells International</i> , 2017 , 2017, 9275248	5	3
18	Effects of awakening and the use of topical dexamethasone and levofloxacin on the cytokine levels in tears following corneal transplantation. <i>Journal of Immunology Research</i> , 2014 , 2014, 570685	4.5	3
17	Protein Composition of the Subretinal Fluid Suggests Selective Diffusion of Vitreous Proteins in Retinal Detachment. <i>Translational Vision Science and Technology</i> , 2020 , 9, 16	3.3	3
16	Expression of Progenitor Cell Markers in the Glial-Like Cells of Epiretinal Membranes of Different Origins. <i>Journal of Ophthalmology</i> , 2018 , 2018, 7096326	2	3
15	Cultivation and characterisation of the surface markers and carbohydrate profile of human corneal endothelial cells. <i>Clinical and Experimental Ophthalmology</i> , 2017 , 45, 509-519	2.4	2
14	Macular Hole Surgery Using Gas Tamponade-An Outcome from the Oslo Retrospective Cross-Sectional Study. <i>Journal of Clinical Medicine</i> , 2019 , 8,	5.1	2
13	Prognostic Factor Analysis of Visual Outcome after Vitrectomy for Rhegmatogenous Retinal Detachment. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	2
12	Vitreous hyper-reflective dots in pseudophakic cystoid macular edema assessed with optical coherence tomography. <i>PLoS ONE</i> , 2017 , 12, e0189194	3.7	2
11	Immunogenicity of Dying Cancer Cells—the Inflammasome Connection: Autophagic Death Arrives on the Scene 2014 , 203-219		1
10	Comparative cyto-histological study of needle tip aspirates and entry sites after intravitreal injection using different needle types. <i>PLoS ONE</i> , 2017 , 12, e0174467	3.7	1
9	Isolation and Culture of Corneal Stromal Stem Cells. <i>Methods in Molecular Biology</i> , 2020 , 2145, 1-15	1.4	1
8	Novel Needle for Intravitreal Drug Delivery: Comparative Study of Needle Tip Aspirates, Injection Stream and Penetration Forces. <i>Clinical Ophthalmology</i> , 2021 , 15, 723-734	2.5	1
7	Exploring Retinal Blood Vessel Diameters as Biomarkers in Multiple Sclerosis. <i>Journal of Clinical Medicine</i> , 2022 , 11, 3109	5.1	1
6	Noninvasive Estimation of Pulsatile and Static Intracranial Pressure by Optical Coherence Tomography.. <i>Translational Vision Science and Technology</i> , 2022 , 11, 31	3.3	0
5	The acute phase response protein SERPINA3 is increased in tear fluid from the unaffected eyes of patients with unilateral acute anterior uveitis. <i>Journal of Ophthalmic Inflammation and Infection</i> , 2021 , 11, 19	2.3	0
4	An Evaluation of the Physicochemical Properties of Preservative-Free 0.005% (w/v) Latanoprost Ophthalmic Solutions, and the Impact on In Vitro Human Conjunctival Goblet Cell Survival. <i>Journal of Clinical Medicine</i> , 2022 , 11, 3137	5.1	0
3	Cluster of symptomatic silicone oil droplets following intravitreal injections: a 1-year observational study. <i>BMJ Open Ophthalmology</i> , 2021 , 6, e000764	3.2	
2	Levels of oxidative DNA damage are low in ex vivo engineered human limbal epithelial tissue. <i>Acta Ophthalmologica</i> , 2018 , 96, 834-840	3.7	

- 1 The retinal pigment epithelium **2021**, 115-146