Goran Petrovski

List of Publications by Year in Descending Order

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	Noninvasive Estimation of Pulsatile and Static Intracranial Pressure by Optical Coherence Tomography.. *Translational Vision Science and Technology*, **2022**, 11, 31	3.3	0
89	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. *Journal of Clinical Medicine*, **2022**, 11, 3137	5.1	0
88	Exploring Retinal Blood Vessel Diameters as Biomarkers in Multiple Sclerosis. *Journal of Clinical Medicine*, **2022**, 11, 3109	5.1	1
87	Cluster of symptomatic silicone oil droplets following intravitreal injections: a 1-year observational study. *BMJ Open Ophthalmology*, **2021**, 6, e000764	3.2	
86	An Update on COVID-19 Related Ophthalmic Manifestations. *Ocular Immunology and Inflammation*, **2021**, 29, 684-689	2.8	5
85	The acute phase response protein SERPINA3 is increased in tear fluid from the unaffected eyes of patients with unilateral acute anterior uveitis. *Journal of Ophthalmic Inflammation and Infection*, **2021**, 11, 19	2.3	0
84	Novel Needle for Intravitreal Drug Delivery: Comparative Study of Needle Tip Aspirates, Injection Stream and Penetration Forces. *Clinical Ophthalmology*, **2021**, 15, 723-734	2.5	1
83	Benzalkonium Chloride-Preserved Anti-Glaucomatous Eye Drops and Their Effect on Human Conjunctival Goblet Cells in vitro. *Biomedicine Hub*, **2021**, 6, 69-75	1.3	6
82	The retinal pigment epithelium **2021**, 115-146		
81	Prognostic Factor Analysis of Visual Outcome after Vitrectomy for Rhegmatogenous Retinal Detachment. *Journal of Clinical Medicine*, **2020**, 9,	5.1	2
80	Venular oxygen saturation is increased in young patients with type 1 diabetes and mild nonproliferative diabetic retinopathy. *Acta Ophthalmologica*, **2020**, 98, 800-807	3.7	4
79	Coronavirus disease 2019 (COVID-19) outbreak at the Department of Ophthalmology, Oslo University Hospital, Norway. *Acta Ophthalmologica*, **2020**, 98, e388-e389	3.7	34
78	Resveratrol as Inducer of Autophagy, Pro-Survival, and Anti-Inflammatory Stimuli in Cultured Human RPE Cells. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	22
77	Cost-effectiveness of the triple procedure - phacovitrectomy with posterior capsulotomy compared to phacovitrectomy and sequential procedures. *Acta Ophthalmologica*, **2020**, 98, 592-602	3.7	3
76	Reorganize and survive-a recommendation for healthcare services affected by COVID-19-the ophthalmology experience. *Eye*, **2020**, 34, 1177-1179	4.4	8
75	Unilateral acute anterior uveitis is associated with ipsilateral changes in the tear fluid proteome that involves the LXR/RXR pathway. *Journal of Ophthalmic Inflammation and Infection*, **2020**, 10, 13	2.3	4
74	Isolation and Culture of Corneal Stromal Stem Cells. *Methods in Molecular Biology*, **2020**, 2145, 1-15	1.4	1

73	Outcomes of Vitrectomy for Long-Duration Macular Hole. *Journal of Clinical Medicine*, **2020**, 9,	5.1	5
72	Protein Composition of the Subretinal Fluid Suggests Selective Diffusion of Vitreous Proteins in Retinal Detachment. *Translational Vision Science and Technology*, **2020**, 9, 16	3.3	3
71	A porous collagen-based hydrogel and implantation method for corneal stromal regeneration and sustained local drug delivery. *Scientific Reports*, **2020**, 10, 16936	4.9	16
70	Long-term myofibroblast persistence in the capsular bag contributes to the late spontaneous in-the-bag intraocular lens dislocation. *Scientific Reports*, **2020**, 10, 20532	4.9	4
69	Associations between Macular OCT Angiography and Nonproliferative Diabetic Retinopathy in Young Patients with Type 1 Diabetes Mellitus. *Journal of Diabetes Research*, **2020**, 2020, 8849116	3.9	4
68	UV-B-Induced Inflammasome Activation Can Be Prevented by Cis-Urocanic Acid in Human Corneal Epithelial Cells **2020**, 61, 7		9
67	Dynamic intraoperative optical coherence tomography for inverted internal limiting membrane flap technique in large macular hole surgery. *Graefe's Archive for Clinical and Experimental Ophthalmology*, **2019**, 257, 1649-1659	3.8	13
66	Clinical and molecular markers in retinal detachment-From hyperreflective points to stem cells and inflammation. *PLoS ONE*, **2019**, 14, e0217548	3.7	8
65	Macular Hole Surgery Using Gas Tamponade-An Outcome from the Oslo Retrospective Cross-Sectional Study. *Journal of Clinical Medicine*, **2019**, 8,	5.1	2
64	Human Embryonic Stem Cell-Derived Retinal Pigment Epithelium-Role in Dead Cell Clearance and Inflammation. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	11
63	Conjunctival Goblet Cells, the Overlooked Cells in Glaucoma Treatment. *Journal of Glaucoma*, **2019**, 28, 325-333	2.1	4
62	Loss of NRF-2 and PGC-1 genes leads to retinal pigment epithelium damage resembling dry age-related macular degeneration. *Redox Biology*, **2019**, 20, 1-12	11.3	73
61	Hsp90 inhibition as a means to inhibit activation of the NLRP3 inflammasome. *Scientific Reports*, **2018**, 8, 6720	4.9	35
60	Ex vivo 3D human corneal stroma model for Schnyder corneal dystrophy - role of autophagy in its pathogenesis and resolution. *Histology and Histopathology*, **2018**, 33, 455-462	1.4	4
59	Proliferative Cells Isolated from the Adult Human Peripheral Retina only Transiently Upregulate Key Retinal Markers upon Induced Differentiation. *Current Eye Research*, **2018**, 43, 340-349	2.9	5
58	Expression of Progenitor Cell Markers in the Glial-Like Cells of Epiretinal Membranes of Different Origins. *Journal of Ophthalmology*, **2018**, 2018, 7096326	2	3
57	Levels of oxidative DNA damage are low in ex vivo engineered human limbal epithelial tissue. *Acta Ophthalmologica*, **2018**, 96, 834-840	3.7	
56	The configuration of the vitreomacular interface determines the pattern of pseudophakic cystoid macular oedema. *Acta Ophthalmologica*, **2017**, 95, e347-e348	3.7	3

55	Two dietary polyphenols, fisetin and luteolin, reduce inflammation but augment DNA damage-induced toxicity in human RPE cells. *Journal of Nutritional Biochemistry*, **2017**, 42, 37-42	6.3	28
54	Hypoxia and inflammation in the release of VEGF and interleukins from human retinal pigment epithelial cells. *Graefe's Archive for Clinical and Experimental Ophthalmology*, **2017**, 255, 1757-1762	3.8	40
53	Cultivation and characterization of pterygium as an ex vivo study model for disease and therapy. *Contact Lens and Anterior Eye*, **2017**, 40, 283-292	4.1	3
52	Cultivation and characterisation of the surface markers and carbohydrate profile of human corneal endothelial cells. *Clinical and Experimental Ophthalmology*, **2017**, 45, 509-519	2.4	2
51	Effect of Isolation Technique and Location on the Phenotype of Human Corneal Stroma-Derived Cells. *Stem Cells International*, **2017**, 2017, 9275248	5	3
50	Comparative proteomic analysis of human embryonic stem cell-derived and primary human retinal pigment epithelium. *Scientific Reports*, **2017**, 7, 6016	4.9	19
49	The proteomic profile of a mouse model of proliferative vitreoretinopathy. *FEBS Open Bio*, **2017**, 7, 1166-1177	2.1	8
48	Comparative cyto-histological study of needle tip aspirates and entry sites after intravitreal injection using different needle types. *PLoS ONE*, **2017**, 12, e0174467	3.7	1
47	Vitreous hyper-reflective dots in pseudophakic cystoid macular edema assessed with optical coherence tomography. *PLoS ONE*, **2017**, 12, e0189194	3.7	2
46	Multicellular tumor spheroids of human uveal melanoma induce genes associated with anoikis resistance, lipogenesis, and SSXs. *Molecular Vision*, **2017**, 23, 680-694	2.3	7
45	The cytoprotective effect of biglycan core protein involves Toll-like receptor 4 signaling in cardiomyocytes. *Journal of Molecular and Cellular Cardiology*, **2016**, 99, 138-150	5.8	20
44	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). *Autophagy*, **2016**, 12, 1-222	10.2	3838
43	Human pluripotent stem cell-derived limbal epithelial stem cells on bioengineered matrices for corneal reconstruction. *Experimental Eye Research*, **2016**, 146, 26-34	3.7	26
42	Microplasma Induced Cell Morphological Changes and Apoptosis of Ex Vivo Cultured Human Anterior Lens Epithelial Cells - Relevance to Capsular Opacification. *PLoS ONE*, **2016**, 11, e0165883	3.7	5
41	Nutraceutical with Resveratrol and Omega-3 Fatty Acids Induces Autophagy in ARPE-19 Cells. *Nutrients*, **2016**, 8,	6.7	24
40	Anatomical success rate of pars plana vitrectomy for treatment of complex rhegmatogenous retinal detachment. *BMC Ophthalmology*, **2016**, 16, 216	2.3	23
39	Role of Human Corneal Stroma-Derived Mesenchymal-Like Stem Cells in Corneal Immunity and Wound Healing. *Scientific Reports*, **2016**, 6, 26227	4.9	34
38	Morphological and proliferative studies on ex vivo cultured human anterior lens epithelial cells - relevance to capsular opacification. *Acta Ophthalmologica*, **2015**, 93, e499-506	3.7	9

37	Enhanced regeneration of corneal tissue via a bioengineered collagen construct implanted by a nondisruptive surgical technique. *Tissue Engineering - Part A*, **2015**, 21, 1116-30	3.9	30
36	Ageing of the vitreous: From acute onset floaters and flashes to retinal detachment. *Ageing Research Reviews*, **2015**, 21, 71-7	12	27
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. *Biochimica Et Biophysica Acta - General Subjects*, **2015**, 1850, 435-46	4	6
34	Comparative proteomics reveals human pluripotent stem cell-derived limbal epithelial stem cells are similar to native ocular surface epithelial cells. *Scientific Reports*, **2015**, 5, 14684	4.9	16
33	Estrogen signalling in the pathogenesis of age-related macular degeneration. *Current Eye Research*, **2015**, 40, 226-33	2.9	29
32	Long-Term Cultures of Human Cornea Limbal Explants Form 3D Structures Ex Vivo - Implications for Tissue Engineering and Clinical Applications. *PLoS ONE*, **2015**, 10, e0143053	3.7	21
31	Herpes simplex virus types 1 and 2 modulate autophagy in SIRC corneal cells. *Journal of Biosciences*, **2014**, 39, 683-92	2.3	10
30	Association between mediators in the tear fluid and the severity of keratoconus. *Ophthalmic Research*, **2014**, 51, 46-51	2.9	29
29	Oxidative stress, hypoxia, and autophagy in the neovascular processes of age-related macular degeneration. *BioMed Research International*, **2014**, 2014, 768026	3	153
28	Effects of awakening and the use of topical dexamethasone and levofloxacin on the cytokine levels in tears following corneal transplantation. *Journal of Immunology Research*, **2014**, 2014, 570685	4.5	3
27	Characterization of ex vivo cultured neuronal- and glial- like cells from human idiopathic epiretinal membranes. *BMC Ophthalmology*, **2014**, 14, 165	2.3	6
26	A simple method for establishing adherent ex vivo explant cultures from human eye pathologies for use in subsequent calcium imaging and inflammatory studies. *Journal of Immunology Research*, **2014**, 2014, 232659	4.5	13
25	Immunogenicity of Dying Cancer Cells□he Inflammasome Connection: Autophagic Death Arrives on the Scene **2014**, 203-219		1
24	Comparison of upstream regulators in human ex vivo cultured cornea limbal epithelial stem cells and differentiated corneal epithelial cells. *BMC Genomics*, **2013**, 14, 900	4.5	11
23	Does the adult human ciliary body epithelium contain "true" retinal stem cells?. *BioMed Research International*, **2013**, 2013, 531579	3	15
22	Functional and molecular characterization of ex vivo cultured epiretinal membrane cells from human proliferative diabetic retinopathy. *BioMed Research International*, **2013**, 2013, 492376	3	10
21	Autophagy and heterophagy dysregulation leads to retinal pigment epithelium dysfunction and development of age-related macular degeneration. *Autophagy*, **2013**, 9, 973-84	10.2	224
20	Autophagy activation clears ELAVL1/HuR-mediated accumulation of SQSTM1/p62 during proteasomal inhibition in human retinal pigment epithelial cells. *PLoS ONE*, **2013**, 8, e69563	3.7	119

19	Molecular mechanisms of retinal pigment epithelium damage and development of age-related macular degeneration. *Acta Ophthalmologica*, **2012**, 90, 299-309	3.7	141
18	Ex vivo expanded autologous limbal epithelial cells on amniotic membrane using a culture medium with human serum as single supplement. *Experimental Eye Research*, **2012**, 97, 1-9	3.7	44
17	Activation of neural progenitor cells in human eyes with proliferative vitreoretinopathy. *Experimental Eye Research*, **2012**, 98, 28-36	3.7	36
16	Guidelines for the use and interpretation of assays for monitoring autophagy. *Autophagy*, **2012**, 8, 445-544	10.2	2783
15	Cultivation and characterization of cornea limbal epithelial stem cells on lens capsule in animal material-free medium. *PLoS ONE*, **2012**, 7, e47187	3.7	38
14	ATP release from dying autophagic cells and their phagocytosis are crucial for inflammasome activation in macrophages. *PLoS ONE*, **2012**, 7, e40069	3.7	96
13	5RAdenosine monophosphate-activated protein kinase--mammalian target of rapamycin axis as therapeutic target for age-related macular degeneration. *Rejuvenation Research*, **2011**, 14, 651-60	2.6	32
12	Cardioprotection by endoplasmic reticulum stress-induced autophagy. *Antioxidants and Redox Signaling*, **2011**, 14, 2191-200	8.4	91
11	Clearance of dying ARPE-19 cells by professional and nonprofessional phagocytes in vitro-implications for age-related macular degeneration (AMD). *Acta Ophthalmologica*, **2011**, 89, e30-4	3.7	13
10	Pigment epithelial cells isolated from human peripheral iridectomies have limited properties of retinal stem cells. *Acta Ophthalmologica*, **2011**, 89, e635-44	3.7	18
9	Resveratrol in cardiovascular health and disease. *Annals of the New York Academy of Sciences*, **2011**, 1215, 22-33	6.5	170
8	Autophagy shapes inflammation. *Antioxidants and Redox Signaling*, **2011**, 14, 2233-43	8.4	48
7	Phagocytosis of cells dying through autophagy induces inflammasome activation and IL-1 release in human macrophages. *Autophagy*, **2011**, 7, 321-30	10.2	51
6	Does autophagy take a front seat in lifespan extension?. *Journal of Cellular and Molecular Medicine*, **2010**, 14, 2543-51	5.6	34
5	Transglutaminase-mediated intramolecular cross-linking of membrane-bound alpha-synuclein promotes amyloid formation in Lewy bodies. *Journal of Biological Chemistry*, **2009**, 284, 27252-64	5.4	26
4	Cell death and autophagy: cytokines, drugs, and nutritional factors. *Toxicology*, **2008**, 254, 147-57	4.4	103
3	Phagocytosis of cells dying through autophagy evokes a pro-inflammatory response in macrophages. *Autophagy*, **2007**, 3, 509-11	10.2	34
2	Inflammation and the apopto-phagocytic system. *Immunology Letters*, **2006**, 104, 94-101	4.1	35

1	Tools for the detection and quantitation of protein transglutamination. *Analytical Biochemistry*, **2005**, 342, 1-10	3.1	23