

# Goran Petrovski

## List of Publications by Year in descending order

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Version: 2024-02-01

96  
papers

10,850  
citations

136950

32  
h-index

46799

89  
g-index

100  
all docs

100  
docs citations

100  
times ranked

23563  
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	9.1	4,701
2	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	9.1	3,122
3	Autophagy and heterophagy dysregulation leads to retinal pigment epithelium dysfunction and development of age-related macular degeneration. <i>Autophagy</i> , 2013, 9, 973-984.	9.1	279
4	Resveratrol in cardiovascular health and disease. <i>Annals of the New York Academy of Sciences</i> , 2011, 1215, 22-33.	3.8	200
5	Oxidative Stress, Hypoxia, and Autophagy in the Neovascular Processes of Age-Related Macular Degeneration. <i>BioMed Research International</i> , 2014, 2014, 1-7.	1.9	195
6	Molecular mechanisms of retinal pigment epithelium damage and development of age-related macular degeneration. <i>Acta Ophthalmologica</i> , 2012, 90, 299-309.	1.1	168
7	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.	2.5	138
8	ATP Release from Dying Autophagic Cells and Their Phagocytosis Are Crucial for Inflammasome Activation in Macrophages. <i>PLoS ONE</i> , 2012, 7, e40069.	2.5	121
9	Cell death and autophagy: Cytokines, drugs, and nutritional factors. <i>Toxicology</i> , 2008, 254, 147-157.	4.2	118
10	Loss of NRF-2 and PGC-1 $\beta$ genes leads to retinal pigment epithelium damage resembling dry age-related macular degeneration. <i>Redox Biology</i> , 2019, 20, 1-12.	9.0	117
11	Cardioprotection by Endoplasmic Reticulum Stress-Induced Autophagy. <i>Antioxidants and Redox Signaling</i> , 2011, 14, 2191-2200.	5.4	105
12	Hsp90 inhibition as a means to inhibit activation of the NLRP3 inflammasome. <i>Scientific Reports</i> , 2018, 8, 6720.	3.3	67
13	Phagocytosis of cells dying through autophagy induces inflammasome activation and IL-1 $\beta$ release in human macrophages. <i>Autophagy</i> , 2011, 7, 321-330.	9.1	58
14	Autophagy Shapes Inflammation. <i>Antioxidants and Redox Signaling</i> , 2011, 14, 2233-2243.	5.4	57
15	Hypoxia and inflammation in the release of VEGF and interleukins from human retinal pigment epithelial cells. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2017, 255, 1757-1762.	1.9	55
16	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.	2.6	50
17	Coronavirus disease 2019 (COVID-19) outbreak at the Department of Ophthalmology, Oslo University Hospital, Norway. <i>Acta Ophthalmologica</i> , 2020, 98, e388-e389.	1.1	46
18	Role of Human Corneal Stroma-Derived Mesenchymal-Like Stem Cells in Corneal Immunity and Wound Healing. <i>Scientific Reports</i> , 2016, 6, 26227.	3.3	45

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19	Cultivation and Characterization of Cornea Limbal Epithelial Stem Cells on Lens Capsule in Animal Material-Free Medium. <i>PLoS ONE</i> , 2012, 7, e47187.	2.5	44
20	Enhanced Regeneration of Corneal Tissue via a Bioengineered Collagen Construct Implanted by a Nondisruptive Surgical Technique. <i>Tissue Engineering - Part A</i> , 2015, 21, 1116-1130.	3.1	44
21	Estrogen Signalling in the Pathogenesis of Age-Related Macular Degeneration. <i>Current Eye Research</i> , 2015, 40, 226-233.	1.5	43
22	Ageing of the vitreous: From acute onset floaters and flashes to retinal detachment. <i>Ageing Research Reviews</i> , 2015, 21, 71-77.	10.9	42
23	Inflammation and the apopto-phagocytic system. <i>Immunology Letters</i> , 2006, 104, 94-101.	2.5	38
24	5 $\alpha$ -Adenosine Monophosphate-Activated Protein Kinase $\alpha$ “Mammalian Target of Rapamycin Axis As Therapeutic Target for Age-Related Macular Degeneration. <i>Rejuvenation Research</i> , 2011, 14, 651-660.	1.8	38
25	Phagocytosis of Cells Dying through Autophagy Evokes a Pro-Inflammatory Response in Macrophages. <i>Autophagy</i> , 2007, 3, 508-510.	9.1	37
26	Does autophagy take a front seat in lifespan extension?. <i>Journal of Cellular and Molecular Medicine</i> , 2010, 14, 2543-2551.	3.6	37
27	Activation of neural progenitor cells in human eyes with proliferative vitreoretinopathy. <i>Experimental Eye Research</i> , 2012, 98, 28-36.	2.6	36
28	Anatomical success rate of pars plana vitrectomy for treatment of complex rhegmatogenous retinal detachment. <i>BMC Ophthalmology</i> , 2016, 16, 216.	1.4	36
29	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, 813.	4.1	36
30	Association between Mediators in the Tear Fluid and the Severity of Keratoconus. <i>Ophthalmic Research</i> , 2014, 51, 46-51.	1.9	34
31	Human pluripotent stem cell-derived limbal epithelial stem cells on bioengineered matrices for corneal reconstruction. <i>Experimental Eye Research</i> , 2016, 146, 26-34.	2.6	34
32	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.	4.2	34
33	A porous collagen-based hydrogel and implantation method for corneal stromal regeneration and sustained local drug delivery. <i>Scientific Reports</i> , 2020, 10, 16936.	3.3	34
34	Transglutaminase-mediated Intramolecular Cross-linking of Membrane-bound $\alpha$ -Synuclein Promotes Amyloid Formation in Lewy Bodies. <i>Journal of Biological Chemistry</i> , 2009, 284, 27252-27264.	3.4	32
35	Nutraceutical with Resveratrol and Omega-3 Fatty Acids Induces Autophagy in ARPE-19 Cells. <i>Nutrients</i> , 2016, 8, 284.	4.1	31
36	Comparative proteomic analysis of human embryonic stem cell-derived and primary human retinal pigment epithelium. <i>Scientific Reports</i> , 2017, 7, 6016.	3.3	26

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37	Tools for the detection and quantitation of protein transglutamination. <i>Analytical Biochemistry</i> , 2005, 342, 1-10.	2.4	25
38	An Update on COVID-19 Related Ophthalmic Manifestations. <i>Ocular Immunology and Inflammation</i> , 2021, 29, 684-689.	1.8	25
39	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.	2.5	25
40	Does the Adult Human Ciliary Body Epithelium Contain –Retinal Stem Cells?. <i>BioMed Research International</i> , 2013, 2013, 1-7.	1.9	24
41	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.	1.9	23
42	Pigment epithelial cells isolated from human peripheral iridectomies have limited properties of retinal stem cells. <i>Acta Ophthalmologica</i> , 2011, 89, e635-e644.	1.1	22
43	Dynamic intraoperative optical coherence tomography for inverted internal limiting membrane flap technique in large macular hole surgery. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2019, 257, 1649-1659.	1.9	21
44	Clinical and molecular markers in retinal detachment –From hyperreflective points to stem cells and inflammation. <i>PLoS ONE</i> , 2019, 14, e0217548.	2.5	21
45	Functional and Molecular Characterization of Ex Vivo Cultured Epiretinal Membrane Cells from Human Proliferative Diabetic Retinopathy. <i>BioMed Research International</i> , 2013, 2013, 1-14.	1.9	19
46	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.	3.3	19
47	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.	2.8	17
48	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-e34.	1.1	16
49	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, 1-10.	2.2	16
50	UV-B-Induced Inflammasome Activation Can Be Prevented by Cis-Urocanic Acid in Human Corneal Epithelial Cells. , 2020, 61, 7.		16
51	Human Embryonic Stem Cell-Derived Retinal Pigment Epithelium-Role in Dead Cell Clearance and Inflammation. <i>International Journal of Molecular Sciences</i> , 2019, 20, 926.	4.1	15
52	Herpes simplex virus types 1 and 2 modulate autophagy in SIRC corneal cells. <i>Journal of Biosciences</i> , 2014, 39, 683-692.	1.1	14
53	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, 1-12.	2.3	12
54	Benzalkonium Chloride-Preserved Anti-Glaucomatous Eye Drops and Their Effect on Human Conjunctival Goblet Cells in vitro. <i>Biomedicine Hub</i> , 2021, 6, 69-76.	1.2	12

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55	Conjunctival Goblet Cells, the Overlooked Cells in Glaucoma Treatment. <i>Journal of Glaucoma</i> , 2019, 28, 325-333.	1.6	11
56	Reorganize and survive—a recommendation for healthcare services affected by COVID-19—the ophthalmology experience. <i>Eye</i> , 2020, 34, 1177-1179.	2.1	11
57	Morphological and proliferative studies on <i>ex vivo</i> cultured human anterior lens epithelial cells —relevance to capsular opacification. <i>Acta Ophthalmologica</i> , 2015, 93, e499-506.	1.1	10
58	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.	2.2	9
59	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.	2.2	9
60	Characterization of <i>ex vivo</i> cultured neuronal- and glial- like cells from human idiopathic epiretinal membranes. <i>BMC Ophthalmology</i> , 2014, 14, 165.	1.4	8
61	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, 435-446.	2.4	8
62	The proteomic profile of a mouse model of proliferative vitreoretinopathy. <i>FEBS Open Bio</i> , 2017, 7, 1166-1177.	2.3	8
63	Cost-effectiveness of the triple procedure — phacovitrectomy with posterior capsulotomy compared to phacovitrectomy and sequential procedures. <i>Acta Ophthalmologica</i> , 2020, 98, 592-602.	1.1	8
64	Multicellular tumor spheroids of human uveal melanoma induce genes associated with anoikis resistance, lipogenesis, and SSXs. <i>Molecular Vision</i> , 2017, 23, 680-694.	1.1	8
65	Cultivation and characterization of pterygium as an <i>ex vivo</i> study model for disease and therapy. <i>Contact Lens and Anterior Eye</i> , 2017, 40, 283-292.	1.7	7
66	Expression of Progenitor Cell Markers in the Glial-Like Cells of Epiretinal Membranes of Different Origins. <i>Journal of Ophthalmology</i> , 2018, 2018, 1-6.	1.3	7
67	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.	1.1	7
68	Outcomes of Vitrectomy for Long-Duration Macular Hole. <i>Journal of Clinical Medicine</i> , 2020, 9, 444.	2.4	7
69	Effect of Isolation Technique and Location on the Phenotype of Human Corneal Stroma-Derived Cells. <i>Stem Cells International</i> , 2017, 2017, 1-12.	2.5	6
70	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.	1.5	6
71	Macular Hole Surgery Using Gas Tamponade—An Outcome from the Oslo Retrospective Cross-Sectional Study. <i>Journal of Clinical Medicine</i> , 2019, 8, 704.	2.4	6
72	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.	3.3	6

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73	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.	2.5	6
74	Generic benzalkonium chloride–preserved travoprost eye drops are not identical to the branded polyquarternium–preserved travoprost eye drop. Acta Ophthalmologica, 2022, 100, 819-827.	1.1	6
75	Prognostic Factor Analysis of Visual Outcome after Vitrectomy for Rhegmatogenous Retinal Detachment. Journal of Clinical Medicine, 2020, 9, 3251.	2.4	5
76	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, 1-8.	2.2	4
77	The configuration of the vitreomacular interface determines the pattern of pseudophakic cystoid macular oedema. Acta Ophthalmologica, 2017, 95, e347-e348.	1.1	4
78	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.	2.2	4
79	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.	0.7	4
80	Retinal venular oxygen saturation is associated with non-proliferative diabetic retinopathy in young patients with type 1 diabetes. Acta Ophthalmologica, 2022, 100, 388-394.	1.1	4
81	Isolation and Culture of Corneal Stromal Stem Cells. Methods in Molecular Biology, 2020, 2145, 1-15.	0.9	4
82	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.	2.4	4
83	Outcomes from the Retrospective Multicenter Cross-Sectional Study on Lamellar Macular Hole Surgery. Clinical Ophthalmology, 0, Volume 16, 1847-1860.	1.8	4
84	The Nobel Prized cellular target autophagy in eye diseases. Acta Ophthalmologica, 2017, 95, 335-336.	1.1	3
85	Cultivation and characterisation of the surface markers and carbohydrate profile of human corneal endothelial cells. Clinical and Experimental Ophthalmology, 2017, 45, 509-519.	2.6	3
86	Vitreous hyper-reflective dots in pseudophakic cystoid macular edema assessed with optical coherence tomography. PLoS ONE, 2017, 12, e0189194.	2.5	3
87	Noninvasive Estimation of Pulsatile and Static Intracranial Pressure by Optical Coherence Tomography. Translational Vision Science and Technology, 2022, 11, 31.	2.2	3
88	Exploring Retinal Blood Vessel Diameters as Biomarkers in Multiple Sclerosis. Journal of Clinical Medicine, 2022, 11, 3109.	2.4	3
89	Omics Technologies and Neovascular Ocular Disorders. BioMed Research International, 2014, 2014, 1-2.	1.9	1
90	Immunogenicity of Dying Cancer Cells – The Inflammasome Connection. , 2014, , 203-219.		1

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91	Novel Needle for Intravitreal Drug Delivery: Comparative Study of Needle Tip Aspirates, Injection Stream and Penetration Forces. <i>Clinical Ophthalmology</i> , 2021, Volume 15, 723-734.	1.8	1
92	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.	2.5	1
93	Levels of oxidative DNA damage are low in ex vivo engineered human limbal epithelial tissue. <i>Acta Ophthalmologica</i> , 2018, 96, 834-840.	1.1	0
94	The retinal pigment epithelium. , 2021, , 115-146.		0
95	Advantages of nanofibrous membranes for culturing of primary RPE cells compared to commercial scaffolds. <i>Acta Ophthalmologica</i> , 2021, , .	1.1	0
96	Cluster of symptomatic silicone oil droplets following intravitreal injections: a 1-year observational study. <i>BMJ Open Ophthalmology</i> , 2021, 6, e000764.	1.6	0