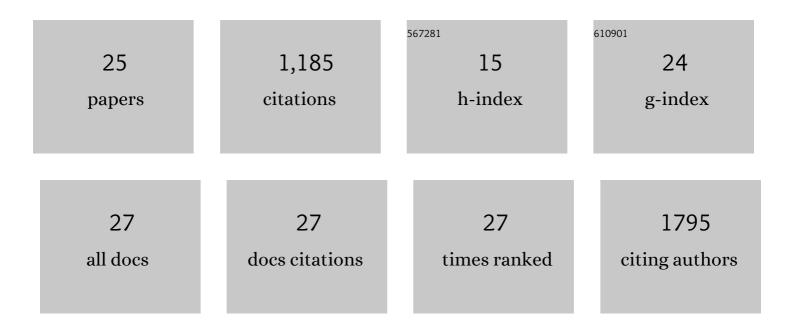
Laura Kowalczuk

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Mechanisms of macular edema: Beyond the surface. Progress in Retinal and Eye Research, 2018, 63, 20-68.	15.5	422
2	In vivo structural imaging of the cornea by polarization-resolved second harmonic microscopy. Biomedical Optics Express, 2012, 3, 1.	2.9	123
3	Determination of collagen fibril size via absolute measurements of second-harmonic generation signals. Nature Communications, 2014, 5, 4920.	12.8	107
4	Placental Growth Factor Contributes to Micro-Vascular Abnormalization and Blood-Retinal Barrier Breakdown in Diabetic Retinopathy. PLoS ONE, 2011, 6, e17462.	2.5	65
5	A New CRB1 Rat Mutation Links Müller Glial Cells to Retinal Telangiectasia. Journal of Neuroscience, 2015, 35, 6093-6106.	3.6	54
6	lron is neurotoxic in retinal detachment and transferrin confers neuroprotection. Science Advances, 2019, 5, eaau9940.	10.3	48
7	Nephropathy in Pparg-null mice highlights PPARÎ ³ systemic activities in metabolism and in the immune system. PLoS ONE, 2017, 12, e0171474.	2.5	34
8	Proteome and Metabolome of Subretinal Fluid in Central Serous Chorioretinopathy and Rhegmatogenous Retinal Detachment: A Pilot Case Study. Translational Vision Science and Technology, 2018, 7, 3.	2.2	34
9	Evaluating In Vivo Delivery of Riboflavin With Coulomb-Controlled Iontophoresis for Corneal Collagen Cross-Linking: A Pilot Study. , 2014, 55, 2731.		32
10	Tolerance of high and low amounts of PLGA microspheres loaded with mineralocorticoid receptor antagonist in retinal target site. Journal of Controlled Release, 2017, 266, 187-197.	9.9	29
11	Subconjunctival Injection of XG-102, a c-Jun N-Terminal Kinase Inhibitor Peptide, in the Treatment of Endotoxin-Induced Uveitis in Rats. Journal of Ocular Pharmacology and Therapeutics, 2015, 31, 17-24.	1.4	28
12	Transscleral optical phase imaging of the human retina. Nature Photonics, 2020, 14, 439-445.	31.4	25
13	Local Ocular Immunomodulation Resulting from Electrotransfer of Plasmid Encoding Soluble TNF Receptors in the Ciliary Muscle. , 2009, 50, 1761.		23
14	InÂVivo Gene Transfer into the Ocular Ciliary Muscle Mediated byÂUltrasound and Microbubbles. Ultrasound in Medicine and Biology, 2011, 37, 1814-1827.	1.5	22
15	Hyperglycemia-Induced Abnormalities in Rat and Human Corneas: The Potential of Second Harmonic Generation Microscopy. PLoS ONE, 2012, 7, e48388.	2.5	22
16	The ciliary smooth muscle electrotransfer: basic principles and potential for sustained intraocular production of therapeutic proteins. Journal of Gene Medicine, 2010, 12, 904-919.	2.8	20
17	Ocular Distribution, Spectrum of Activity, and <i>In Vivo</i> Viral Neutralization of a Fully Humanized Anti-Herpes Simplex Virus IgG Fab Fragment following Topical Application. Antimicrobial Agents and Chemotherapy, 2012, 56, 1390-1402.	3.2	16
18	Multimodal Highlighting of Structural Abnormalities in Diabetic Rat and Human Corneas. Translational Vision Science and Technology, 2013, 2, 3.	2.2	14

#	Article	IF	CITATIONS
19	CHANGES IN VISUAL ACUITY AND PHOTORECEPTOR DENSITY USING ADAPTIVE OPTICS AFTER RETINAL DETACHMENT REPAIR. Retina, 2020, 40, 376-386.	1.7	14
20	EFFICACY OF INTRAVITREAL AFLIBERCEPT IN MACULAR TELANGIECTASIA TYPE 1 IS LINKED TO THE OCULAR ANGIOGENIC PROFILE. Retina, 2017, 37, 2226-2237.	1.7	13
21	Oral Ursodeoxycholic Acid Crosses the Blood Retinal Barrier in Patients with Retinal Detachment and Protects Against Retinal Degeneration in an Ex Vivo Model. Neurotherapeutics, 2021, 18, 1325-1338.	4.4	13
22	Pathogenic Effects of Mineralocorticoid Pathway Activation in Retinal Pigment Epithelium. International Journal of Molecular Sciences, 2021, 22, 9618.	4.1	11
23	Glial cells of the human fovea. Molecular Vision, 2020, 26, 235-245.	1.1	10
24	Ocular Biodistribution of Spironolactone after a Single Intravitreal Injection of a Biodegradable Sustained-Release Polymer in Rats. Molecular Pharmaceutics, 2020, 17, 59-69.	4.6	2
25	Fully automated detection, segmentation, and analysis of in vivo RPE single cells. Eye, 2021, 35, 1473-1481.	2.1	2