

Laura Kowalczuk

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,185
citations

567281

15
h-index

610901

24
g-index

27
all docs

27
docs citations

27
times ranked

1795
citing authors

#	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	Iron is neurotoxic in retinal detachment and transferrin confers neuroprotection. Science Advances, 2019, 5, eaau9940.	10.3	48
7	Nephropathy in Pparg-null mice highlights PPAR β 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	In Vivo Gene Transfer into the Ocular Ciliary Muscle Mediated by Ultrasound 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 In Vivo 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. <i>Retina</i> , 2020, 40, 376-386.	1.7	14
20	EFFICACY OF INTRAVITREAL AFLIBERCEPT IN MACULAR TELANGIECTASIA TYPE 1 IS LINKED TO THE OCULAR ANGIOGENIC PROFILE. <i>Retina</i> , 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. <i>Neurotherapeutics</i> , 2021, 18, 1325-1338.	4.4	13
22	Pathogenic Effects of Mineralocorticoid Pathway Activation in Retinal Pigment Epithelium. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9618.	4.1	11
23	Glial cells of the human fovea. <i>Molecular Vision</i> , 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. <i>Molecular Pharmaceutics</i> , 2020, 17, 59-69.	4.6	2
25	Fully automated detection, segmentation, and analysis of in vivo RPE single cells. <i>Eye</i> , 2021, 35, 1473-1481.	2.1	2