

Ills Kovcs

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.

49
papers

2,078
citations

22
h-index

45
g-index

55
ext. papers

2,394
ext. citations

3.8
avg. IF

4.5
L-index

#	Paper	IF	Citations
49	Mitochondrial alterations of retinal pigment epithelium in age-related macular degeneration. <i>Neurobiology of Aging</i> , 2006 , 27, 983-93	5.6	270
48	Femtosecond laser capsulotomy and manual continuous curvilinear capsulorrhexis parameters and their effects on intraocular lens centration. <i>Journal of Refractive Surgery</i> , 2011 , 27, 558-63	3.3	218
47	Comparison of intraocular lens decentration parameters after femtosecond and manual capsulotomies. <i>Journal of Refractive Surgery</i> , 2011 , 27, 564-9	3.3	189
46	Central corneal volume and endothelial cell count following femtosecond laser-assisted refractive cataract surgery compared to conventional phacoemulsification. <i>Journal of Refractive Surgery</i> , 2012 , 28, 387-91	3.3	134
45	Internal aberrations and optical quality after femtosecond laser anterior capsulotomy in cataract surgery. <i>Journal of Refractive Surgery</i> , 2011 , 27, 711-6	3.3	113
44	Evaluation of keratometric, pachymetric, and elevation parameters of keratoconic corneas with pentacam. <i>Cornea</i> , 2009 , 28, 976-80	3.1	111
43	Complications of femtosecond laser-assisted cataract surgery. <i>Journal of Cataract and Refractive Surgery</i> , 2014 , 40, 20-8	2.3	102
42	Comparison of IOL power calculation and refractive outcome after laser refractive cataract surgery with a femtosecond laser versus conventional phacoemulsification. <i>Journal of Refractive Surgery</i> , 2012 , 28, 540-4	3.3	102
41	Effect of femtosecond laser cataract surgery on the macula. <i>Journal of Refractive Surgery</i> , 2011 , 27, 717-23	3.3	81
40	Abnormal activity of corneal cold thermoreceptors underlies the unpleasant sensations in dry eye disease. <i>Pain</i> , 2016 , 157, 399-417	8	62
39	Accuracy of machine learning classifiers using bilateral data from a Scheimpflug camera for identifying eyes with preclinical signs of keratoconus. <i>Journal of Cataract and Refractive Surgery</i> , 2016 , 42, 275-83	2.3	59
38	Macular morphology assessed by optical coherence tomography image segmentation after femtosecond laser-assisted and standard cataract surgery. <i>Journal of Cataract and Refractive Surgery</i> , 2012 , 38, 941-6	2.3	55
37	Intraocular lens power calculation for combined cataract surgery, vitrectomy and peeling of epiretinal membranes for macular oedema. <i>Acta Ophthalmologica</i> , 2007 , 85, 88-91		47
36	Anterior chamber characteristics of keratoconus assessed by rotating Scheimpflug imaging. <i>Journal of Cataract and Refractive Surgery</i> , 2010 , 36, 1101-6	2.3	45
35	Functional assessment of the possible toxicity of indocyanine green dye in macular hole surgery. <i>American Journal of Ophthalmology</i> , 2006 , 142, 765-70	4.9	45
34	The effect of femtosecond laser capsulotomy on the development of posterior capsule opacification. <i>Journal of Refractive Surgery</i> , 2014 , 30, 154-8	3.3	38
33	Substance P released from sensory nerve endings influences tear secretion and goblet cell function in the rat. <i>Neuropeptides</i> , 2005 , 39, 395-402	3.3	36

32	Femtosecond laser-assisted cataract surgery in management of phacomorphic glaucoma. <i>Journal of Refractive Surgery</i> , 2013 , 29, 645-8	3.3	31
31	Microvascular contributions to age-related macular degeneration (AMD): from mechanisms of choriocapillaris aging to novel interventions. <i>GeroScience</i> , 2019 , 41, 813-845	8.9	29
30	The role of reference body selection in calculating posterior corneal elevation and prediction of keratoconus using rotating Scheimpflug camera. <i>Acta Ophthalmologica</i> , 2011 , 89, e251-6	3.7	26
29	Mechanism of aberration balance and the effect on retinal image quality in keratoconus: optical and visual characteristics of keratoconus. <i>Journal of Cataract and Refractive Surgery</i> , 2011 , 37, 914-22	2.3	25
28	Shifting of the line of sight in keratoconus measured by a hartmann-shack sensor. <i>Ophthalmology</i> , 2010 , 117, 41-8	7.3	22
27	Intrasession and Between-Visit Variability of Retinal Vessel Density Values Measured with OCT Angiography in Diabetic Patients. <i>Scientific Reports</i> , 2018 , 8, 10598	4.9	20
26	Retinal biomarkers for Alzheimer's disease and vascular cognitive impairment and dementia (VCID): implication for early diagnosis and prognosis. <i>GeroScience</i> , 2020 , 42, 1499-1525	8.9	20
25	The effect of image quality on the reliability of OCT angiography measurements in patients with diabetes. <i>International Journal of Retina and Vitreous</i> , 2019 , 5, 46	2.9	20
24	Evaluation of intereye corneal asymmetry in patients with keratoconus. A scheimpflug imaging study. <i>PLoS ONE</i> , 2014 , 9, e108882	3.7	19
23	Corneal Sensitivity and Dry Eye Symptoms in Patients with Keratoconus. <i>PLoS ONE</i> , 2015 , 10, e0141621	3.7	18
22	Corneal changes in progressive keratoconus after cross-linking assessed by Scheimpflug camera. <i>Journal of Refractive Surgery</i> , 2012 , 28, 645-9	3.3	16
21	Choroidal thickness changes in non-treated eyes of patients with diabetes: swept-source optical coherence tomography study. <i>Acta Diabetologica</i> , 2018 , 55, 927-934	3.9	13
20	Ocular mucous membrane pemphigoid: a review. <i>Immunologic Research</i> , 2019 , 67, 280-289	4.3	13
19	Effect of Spherical Aberration on the Optical Quality after Implantation of Two Different Aspherical Intraocular Lenses. <i>Journal of Ophthalmology</i> , 2017 , 2017, 8039719	2	13
18	Effect of maternal depression and anxiety on mother's perception of child and the protective role of social support. <i>Journal of Reproductive and Infant Psychology</i> , 2018 , 36, 434-448	2.9	12
17	Pigment epithelium-derived factor (PEDF) attenuated capsaicin-induced neurotrophic keratouveitis. <i>Investigative Ophthalmology and Visual Science</i> , 2009 , 50, 5173-80		11
16	The Effect of Tear Supplementation on Ocular Surface Sensations during the Interblink Interval in Patients with Dry Eye. <i>PLoS ONE</i> , 2015 , 10, e0135629	3.7	9
15	Irritable eye syndrome: neuroimmune mechanisms and benefits of selected nutrients. <i>Ocular Surface</i> , 2014 , 12, 134-45	6.5	9

14	Changes of corneal topography indices after CXL in progressive keratoconus assessed by Scheimpflug camera. <i>Journal of Refractive Surgery</i> , 2014 , 30, 374-8	3.3	9
13	The Impact of Deterministic Signal Loss on OCT Angiography Measurements. <i>Translational Vision Science and Technology</i> , 2020 , 9, 10	3.3	7
12	Lacosamide diminishes dryness-induced hyperexcitability of corneal cold sensitive nerve terminals. <i>European Journal of Pharmacology</i> , 2016 , 787, 2-8	5.3	5
11	OCULAR WAVEFRONT ABERRATIONS AND OPTICAL QUALITY IN DIABETIC MACULAR EDEMA. <i>Retina</i> , 2016 , 36, 28-36	3.6	4
10	The Effect of Tear Supplementation with 0.15% Preservative-Free Zinc-Hyaluronate on Ocular Surface Sensations in Patients with Dry Eye. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 2017 , 33, 487-492	2.6	3
9	Objective quantification and spatial mapping of cataract with a Shack-Hartmann wavefront sensor. <i>Scientific Reports</i> , 2020 , 10, 12585	4.9	2
8	Simulation of visual acuity by personalizable neuro-physiological model of the human eye. <i>Scientific Reports</i> , 2019 , 9, 7805	4.9	1
7	Imaging retinal microvascular manifestations of carotid artery disease in older adults: from diagnosis of ocular complications to understanding microvascular contributions to cognitive impairment. <i>GeroScience</i> , 2021 , 43, 1703-1723	8.9	1
6	Evaluation of affective temperaments and arterial stiffness in different hypertension phenotypes. <i>Hypertension Research</i> , 2021 , 44, 47-54	4.7	1
5	The effect of systemic factors on retinal blood flow in patients with carotid stenosis: an optical coherence tomography angiography study. <i>GeroScience</i> , 2021 , 1	8.9	0
4	Application of Correlation-Based Scoring Scheme for Visual Acuity Measurements in the Clinical Practice. <i>Translational Vision Science and Technology</i> , 2019 , 8, 19	3.3	
3	Reply: Comparison of macular morphology between femtosecond laser-assisted and traditional cataract surgery. <i>Journal of Cataract and Refractive Surgery</i> , 2013 , 39, 657-9	2.3	
2	Metabolic Approach for Treating Age-Related Macular Degeneration. <i>Hungarian Medical Journal</i> , 2008 , 2, 5-18		
1	Predictive factors of selective mineralocorticoid receptor antagonist treatment in chronic central serous chorioretinopathy. <i>Scientific Reports</i> , 2020 , 10, 16621	4.9	