

Edward Wylegala

List of Publications by Year in Descending Order

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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.

111 papers	1,495 citations	19 h-index	34 g-index
135 ext. papers	1,803 ext. citations	3.1 avg, IF	4.83 L-index

#	Paper	IF	Citations
111	Long-term results of Boston keratoprosthesis surgery in Polish patients. <i>Postępy Higieny i Medycyny Doswiadczałnej</i> , 2022 , 76, 1-10	0.3	
110	The Effectiveness of Brolocizumab and Aflibercept in Patients with Neovascular Age-Related Macular Degeneration.. <i>International Journal of Environmental Research and Public Health</i> , 2022 , 19,	4.6	2
109	Response to 1-Year Fixed-Regimen Bevacizumab Therapy in Treatment-Naïve DME Patients: Assessment by OCT Angiography.. <i>Journal of Diabetes Research</i> , 2022 , 2022, 3547461	3.9	0
108	Raman Spectroscopic Study of Amyloid Deposits in Gelatinous Drop-like Corneal Dystrophy.. <i>Journal of Clinical Medicine</i> , 2022 , 11,	5.1	3
107	Assessment of the Retinal Vessels in Keratoconus: An OCT Angiography Study. <i>Journal of Clinical Medicine</i> , 2022 , 11, 2960	5.1	0
106	An Analysis of the Progression of Conjunctivalisation after Transplantation of Cultivated Corneal Epithelium. <i>Journal of Ophthalmology</i> , 2021 , 2021, 8499640	2	1
105	Comparative analysis of measurements of the anterior segment and the axial length parameters of the eyeball obtained with optical and ultrasound technique. <i>Expert Review of Medical Devices</i> , 2021 , 1-9	3.5	0
104	Comment on: Optical Coherence Tomography Angiography Features in Post-COVID-19 Pneumonia Patients: A Pilot Study. <i>American Journal of Ophthalmology</i> , 2021 ,	4.9	0
103	Assessment of Vascular Changes in Patients after Pars Plana Vitrectomy Surgery Due to Macula-Off Rhegmatogenous Retinal Detachment. <i>Journal of Clinical Medicine</i> , 2021 , 10,	5.1	1
102	Swept Source Optical Coherence Tomography Analysis of the Selected Eye's Anterior Segment Parameters. <i>Journal of Clinical Medicine</i> , 2021 , 10,	5.1	2
101	Iris-Claw Intraocular Lens Implantation in Various Clinical Indications: A 4-Year Study. <i>Journal of Clinical Medicine</i> , 2021 , 10,	5.1	1
100	Comparison of Long-Term Outcomes of the Lamellar and Penetrating Keratoplasty Approaches in Patients with Keratoconus. <i>Journal of Clinical Medicine</i> , 2021 , 10,	5.1	3
99	Retinal OCT Findings in Patients after COVID Infection. <i>Journal of Clinical Medicine</i> , 2021 , 10,	5.1	6
98	Detailed corneal and genetic characteristics of a pediatric patient with macular corneal dystrophy - case report. <i>BMC Ophthalmology</i> , 2021 , 21, 285	2.3	
97	Corneal complication after femtosecond laser-assisted cataract surgery: A case report. <i>Medicine (United States)</i> , 2021 , 100, e24013	1.8	1
96	Diabetic Macular Edema Treatment with Bevacizumab Does Not Depend on the Retinal Nonperfusion Presence. <i>Journal of Diabetes Research</i> , 2021 , 2021, 6620122	3.9	3
95	The Influence of Work Environment Factors on the Ocular Surface in a One-Year Follow-Up Prospective Clinical Study. <i>Diagnostics</i> , 2021 , 11,	3.8	2

94	Acute macular edema and serous detachment on the first day after phacoemulsification surgery: A case report. <i>American Journal of Ophthalmology Case Reports</i> , 2020 , 20, 100905	1.3	4
93	Long-Term Outcomes of Allogeneic Ocular Surface Reconstruction: Keratolimbal Allograft (KLAL) Followed by Penetrating Keratoplasty (PK). <i>Journal of Ophthalmology</i> , 2020 , 2020, 5189179	2	3
92	Amniotic Membrane as a Main Component in Treatments Supporting Healing and Patch Grafts in Corneal Melting and Perforations. <i>Journal of Ophthalmology</i> , 2020 , 2020, 4238919	2	8
91	Metabolomic Signature Discriminates Normal Human Cornea from Keratoconus-A Pilot GC/MS Study. <i>Molecules</i> , 2020 , 25,	4.8	7
90	Treatment of conjunctival papilloma with topical interferon alpha-2b - case report. <i>Medicine (United States)</i> , 2020 , 99, e19181	1.8	2
89	Does Oxygen Uptake Before Physical Exercise Affect Tear Osmolarity?. <i>Journal of Human Kinetics</i> , 2020 , 73, 297-304	2.6	
88	A single-centre retrospective observational study of fungal keratitis in Poland with a review of findings in Europe. <i>Annals of Agricultural and Environmental Medicine</i> , 2020 , 27, 343-347	1.4	2
87	Disease aetiology-based design of multifunctional microemulsion eye drops for moderate or severe dry eye: a randomized, quadruple-masked and active-controlled clinical trial. <i>Acta Ophthalmologica</i> , 2020 , 98, 244-254	3.7	6
86	Early phenotypic features of aniridia-associated keratopathy and association with PAX6 coding mutations. <i>Ocular Surface</i> , 2020 , 18, 130-140	6.5	15
85	Comparison of foveal avascular zone and retinal vascular density in healthy Chinese and Caucasian adults. <i>Acta Ophthalmologica</i> , 2020 , 98, e464-e469	3.7	8
84	The Influence of Ultrasound Ciliary Plasty on Corneal Parameters. <i>Journal of Glaucoma</i> , 2020 , 29, 899-904.	1	1
83	Trends in optical coherence tomography angiography use in university clinic and private practice setting between 2014-2018. <i>Expert Review of Medical Devices</i> , 2020 , 17, 1109-1113	3.5	4
82	Seven-Year Analysis of Microbial Keratitis Tendency at an Ophthalmology Department in Poland: A Single-Center Study. <i>Journal of Ophthalmology</i> , 2020 , 2020, 8851570	2	
81	Assessment of Scleral and Conjunctival Thickness of the Eye after Ultrasound Ciliary Plasty. <i>Journal of Ophthalmology</i> , 2020 , 2020, 9659014	2	1
80	Repeatability, reproducibility, and comparison of ocular biometry using a new optical coherence tomography-based system and another device. <i>Scientific Reports</i> , 2020 , 10, 14440	4.9	2
79	In Vivo Confocal Microscopy and Anterior Segment Optical Coherence Tomography Analysis of the Microcystic Keratitis. <i>Journal of Ophthalmology</i> , 2020 , 2020, 8871904	2	2
78	PAX6 Mutational Status Determines Aniridia-Associated Keratopathy Phenotype. <i>Ophthalmology</i> , 2020 , 127, 273-275	7.3	19
77	Reproducibility, and repeatability of corneal topography measured by Revo NX, Galilei G6 and Casia 2 in normal eyes. <i>PLoS ONE</i> , 2020 , 15, e0230589	3.7	13

76	Scheimpflug Camera and Swept-Source Optical Coherence Tomography in Pachymetry Evaluation of Diabetic Patients. <i>Journal of Ophthalmology</i> , 2019 , 2019, 4532657	2	7
75	2019 Guidelines on the management of diabetic patients. A position of Diabetes Poland. <i>Clinical Diabetology</i> , 2019 , 8, 1-95	2	23
74	Alteration of Blinking and Sex Differences During Physical Exercise Affect Tear Osmolarity. <i>Journal of Human Kinetics</i> , 2019 , 67, 143-151	2.6	2
73	Impact of ultrasound and optical biometry on refractive outcomes of cataract surgery after penetrating keratoplasty in keratoconus. <i>International Journal of Ophthalmology</i> , 2019 , 12, 949-953	1.4	1
72	Comparison of the selected parameters of the anterior segment of the eye between femtosecond laser-assisted cataract surgery, microincision cataract surgery, and conventional phacoemulsification: A case-control study. <i>Medicine (United States)</i> , 2019 , 98, e18340	1.8	5
71	Assessment of visual evoked potentials in patients eligible for penetrating keratoplasty. <i>Medicine (United States)</i> , 2018 , 97, e9861	1.8	1
70	Phase II Randomized, Double-Masked, Vehicle-Controlled Trial of Recombinant Human Nerve Growth Factor for Neurotrophic Keratitis. <i>Ophthalmology</i> , 2018 , 125, 1332-1343	7.3	122
69	CO laser-assisted sclerectomy surgery compared with trabeculectomy in primary open-angle glaucoma and exfoliative glaucoma. A 1-year follow-up. <i>Acta Ophthalmologica</i> , 2018 , 96, e582-e591	3.7	17
68	Phase I Trial of Recombinant Human Nerve Growth Factor for Neurotrophic Keratitis. <i>Ophthalmology</i> , 2018 , 125, 1468-1471	7.3	39
67	Corneal confocal sub-basal nerve plexus evaluation: a review. <i>Acta Ophthalmologica</i> , 2018 , 96, 232-242	3.7	15
66	Total Penetrating Keratoplasty: Indications, Therapeutic Approach, and Long-Term Follow-Up. <i>Journal of Ophthalmology</i> , 2018 , 2018, 9580292	2	10
65	Silicone-Modified Chitosan Membranes for Corneal Epithelium Tissue Engineering. <i>Journal of Biomaterials and Tissue Engineering</i> , 2018 , 8, 374-383	0.3	4
64	2018 Guidelines on the management of diabetic patients. A position of Diabetes Poland. <i>Clinical Diabetology</i> , 2018 , 7, 1-90	2	25
63	Stage-related central corneal epithelial transformation in congenital aniridia-associated keratopathy. <i>Ocular Surface</i> , 2018 , 16, 163-172	6.5	10
62	Structural, ultrastructural, and morphometric study of the zebrafish ocular surface: a model for human corneal diseases?. <i>Current Eye Research</i> , 2018 , 43, 175-185	2.9	5
61	Postnatal evolution of the ciliary processes in the gerbil (<i>Meriones unguiculatus</i>): a structural, ultrastructural and morphometric study. <i>Zoomorphology</i> , 2018 , 137, 201-211	1	
60	Anti-vascular endothelial growth factor and macular atrophy: an unanswered question. <i>Annals of Eye Science</i> , 2018 , 3, 61-61	0.9	1
59	Comparison of the Techniques of Secondary Intraocular Lens Implantation after Penetrating Keratoplasty. <i>Journal of Ophthalmology</i> , 2018 , 2018, 3271017	2	4

58	The CLASS Surgical Site Characteristics in a Clinical Grading Scale and Anterior Segment Optical Coherence Tomography: A One-Year Follow-Up. <i>Journal of Healthcare Engineering</i> , 2018 , 2018, 5909827	3.7	1
57	Aflibercept Treatment Leads to Vascular Abnormalization of the Choroidal Neovascularization. <i>Journal of Healthcare Engineering</i> , 2018 , 2018, 8595278	3.7	9
56	New insight into the shortening of the collagen fibril D-period in human cornea. <i>Journal of Biomolecular Structure and Dynamics</i> , 2017 , 35, 551-563	3.6	4
55	Cytoarchitecture of epithelial inflammatory infiltration indicates the aetiology of infectious keratitis. <i>Acta Ophthalmologica</i> , 2017 , 95, 405-413	3.7	10
54	Differences in Surgical Management of Corneal Perforations, Measured over Six Years. <i>Journal of Ophthalmology</i> , 2017 , 2017, 1582532	2	13
53	Evaluation of EX-PRESS glaucoma implant in elderly diabetic patients after 23G vitrectomy. <i>Clinical Interventions in Aging</i> , 2017 , 12, 653-658	4	2
52	Traumatic cataract in patient with anterior megalophthalmos: Case report. <i>Medicine (United States)</i> , 2017 , 96, e7160	1.8	2
51	Comparative Confocal and Histopathological Study of Corneal Changes in Multiple Myeloma. <i>Cornea</i> , 2017 , 36, 123-126	3.1	7
50	Measurements of Corneal Thickness in Eyes with Pseudoexfoliation Syndrome: Comparative Study of Different Image Processing Protocols. <i>Journal of Healthcare Engineering</i> , 2017 , 2017, 4315238	3.7	8
49	Longitudinal observation of the retinal nerve fibre layer in glaucoma patients treated with brimonidine combined with timolol or timolol alone 2017 , 2, 13-16		3
48	Optical coherence angiography: A review. <i>Medicine (United States)</i> , 2016 , 95, e4907	1.8	55
47	A quantitative method for assessing the quality of meibomian glands. <i>Computers in Biology and Medicine</i> , 2016 , 75, 130-8	7	19
46	Photodynamic therapy in VEGF inhibition non-responders-Pharmacogenetic study in age-related macular degeneration assessed with swept-source optical coherence tomography. <i>Photodiagnosis and Photodynamic Therapy</i> , 2016 , 13, 108-113	3.5	7
45	Corneal Structural Changes in Nonneoplastic and Neoplastic Monoclonal Gammopathies 2016 , 57, 2657-65		16
44	Changes in Technique and Indications for Keratoplasty in Poland, 1989 to 2014: An Analysis of Corneal Transplantations Performed at Saint Barbara Hospital, Trauma Center, Sosnowiec, Poland. <i>Transplantation Proceedings</i> , 2016 , 48, 1818-23	1.1	8
43	Corneal Epithelial Scaffolds Based on Chitosan Membranes Containing Collagen and Keratin. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2015 , 64, 140-148	3	5
42	Cultivated Oral Mucosa Epithelium in Ocular Surface Reconstruction in Aniridia Patients. <i>BioMed Research International</i> , 2015 , 2015, 281870	3	30
41	Comparative Study of Anterior Eye Segment Measurements with Spectral Swept-Source and Time-Domain Optical Coherence Tomography in Eyes with Corneal Dystrophies. <i>BioMed Research International</i> , 2015 , 2015, 805367	3	15

40	Atypical regressive corneal endothelial cysts in long-term confocal follow-up: a case report. <i>Medicine (United States)</i> , 2015 , 94, e564	1.8	
39	Quantitative assessment of responses of the eyeball based on data from the Corvis tonometer. <i>Computers in Biology and Medicine</i> , 2015 , 58, 91-100	7	11
38	Corneal Degenerations. <i>Oxidative Stress in Applied Basic Research and Clinical Practice</i> , 2015 , 23-38		2
37	A novel proteotoxic stress associated mechanism for macular corneal dystrophy. <i>Histology and Histopathology</i> , 2015 , 30, 921-30	1.4	3
36	Selected parameters of the corneal deformation in the Corvis tonometer. <i>BioMedical Engineering OnLine</i> , 2014 , 13, 55	4.1	25
35	Macular corneal dystrophy: in vivo confocal and structural data. <i>Ophthalmology</i> , 2014 , 121, 1164-73	7.3	13
34	NMR spectroscopy of human eye tissues: a new insight into ocular biochemistry. <i>Scientific World Journal, The</i> , 2014 , 2014, 546192	2.2	9
33	Evaluation of the efficacy, safety, and acceptability of an eyelid warming device for the treatment of meibomian gland dysfunction. <i>Clinical Ophthalmology</i> , 2014 , 8, 2019-27	2.5	18
32	Comparison of three intraocular pressure measurement methods including biomechanical properties of the cornea 2014 , 55, 666-73		59
31	Phenotype and genotype analysis in patients with macular corneal dystrophy. <i>British Journal of Ophthalmology</i> , 2014 , 98, 1514-21	5.5	16
30	Clinical, confocal, and morphological investigations on the cornea in human mucopolysaccharidosis IH-S. <i>Cornea</i> , 2014 , 33, 35-42	3.1	16
29	A new algorithm and problems in automatic anterior eye chamber volume determining. <i>Computers in Biology and Medicine</i> , 2014 , 52, 144-52	7	3
28	Phenotype-genotype correlation in patients with Schnyder corneal dystrophy. <i>Cornea</i> , 2014 , 33, 497-503	3.1	20
27	Quantitative measurement of pseudoexfoliation in the anterior segment of the eye performed in visible light. <i>BioMedical Engineering OnLine</i> , 2013 , 12, 74	4.1	2
26	Methods of measuring the iridocorneal angle in tomographic images of the anterior segment of the eye. <i>BioMedical Engineering OnLine</i> , 2013 , 12, 40	4.1	9
25	Metabolic profile of keratoconic cornea. <i>Current Eye Research</i> , 2013 , 38, 305-9	2.9	10
24	Automatic analysis of selected choroidal diseases in OCT images of the eye fundus. <i>BioMedical Engineering OnLine</i> , 2013 , 12, 117	4.1	21
23	Donor disc attachment assessment with intraoperative spectral optical coherence tomography during descemet stripping automated endothelial keratoplasty. <i>Indian Journal of Ophthalmology</i> , 2013 , 61, 511-3	1.6	8

22	Long-term results of excimer laser procedure to correct astigmatic refractive errors. <i>Medical Science Monitor</i> , 2013 , 19, 927-33	3.2	11
21	Fully automatic algorithm for the analysis of vessels in the angiographic image of the eye fundus. <i>BioMedical Engineering OnLine</i> , 2012 , 11, 35	4.1	24
20	Hydrogel membranes based on genipin-cross-linked chitosan blends for corneal epithelium tissue engineering. <i>Journal of Materials Science: Materials in Medicine</i> , 2012 , 23, 1991-2000	4.5	57
19	A69S and R38X ARMS2 and Y402H CFH gene polymorphisms as risk factors for neovascular age-related macular degeneration in Poland - a brief report. <i>Medical Science Monitor</i> , 2012 , 18, PR1-3	3.2	11
18	Experimental glaucoma model in two lines of rats using polystyren microspheres (Bead Model). <i>Acta Ophthalmologica</i> , 2012 , 90, 0-0	3.7	
17	Cultivated oral mucosa epithelium transplantation (COMET) in bilateral limbal stem cell deficiency. <i>Acta Ophthalmologica</i> , 2011 , 89, 0-0	3.7	3
16	Genotype-phenotype correlation of TGFBI corneal dystrophies in Polish patients. <i>Molecular Vision</i> , 2011 , 17, 2333-42	2.3	7
15	Culture morphology of the autologous cultivated corneal epithelium. <i>Klinika Oczna</i> , 2011 , 113, 249-53	0.5	2
14	Application of autologous cultivated corneal epithelium for corneal limbal stem cell insufficiency--short-term results. <i>Klinika Oczna</i> , 2011 , 113, 346-51	0.5	6
13	Monitoring cornea and graft morphometric dynamics after descemet stripping and endothelial keratoplasty with anterior segment optical coherence tomography. <i>Cornea</i> , 2010 , 29, 272-7	3.1	21
12	Involvement of genetic factors in the response to a variable-dosing ranibizumab treatment regimen for age-related macular degeneration. <i>Molecular Vision</i> , 2010 , 16, 2598-604	2.3	53
11	Automatic Measuring of the Iridocorneal Angle in the Optical Coherence Tomographic Image of the Anterior Segment of the Eye. <i>Advances in Intelligent and Soft Computing</i> , 2010 , 175-182		1
10	Anterior segment imaging: Fourier-domain optical coherence tomography versus time-domain optical coherence tomography. <i>Journal of Cataract and Refractive Surgery</i> , 2009 , 35, 1410-4	2.3	74
9	Usefulness of anterior segment optical coherence tomography in Descemet membrane detachment. <i>European Journal of Ophthalmology</i> , 2009 , 19, 723-8	1.9	7
8	Management of pseudophakic bullous keratopathy by combined Descemet-stripping endothelial keratoplasty and intraocular lens exchange. <i>Journal of Cataract and Refractive Surgery</i> , 2008 , 34, 1708-14	2.3	43
7	Limbal stem cells transplantation in the reconstruction of the ocular surface: 6 years experience. <i>European Journal of Ophthalmology</i> , 2008 , 18, 886-90	1.9	29
6	Monitoring of photodynamic therapy results in age-related macular degeneration by means of preferential hyperacuity perimeter. <i>European Journal of Ophthalmology</i> , 2007 , 17, 768-75	1.9	3
5	ERK 1/2 signaling pathway is involved in nicotine-mediated neuroprotection in spinal cord neurons. <i>Journal of Cellular Biochemistry</i> , 2007 , 100, 279-92	4.7	52

4	Effectiveness of the soft-shell technique in patients with FuchsTendothelial dystrophy. <i>Journal of Cataract and Refractive Surgery</i> , 2007 , 33, 1907-12	2.3	16
3	Mechanisms of the blood-brain barrier disruption in HIV-1 infection. <i>Cellular and Molecular Neurobiology</i> , 2005 , 25, 181-99	4.6	175
2	Arachidonic acid increases choline acetyltransferase activity in spinal cord neurons through a protein kinase C-mediated mechanism. <i>Journal of Neurochemistry</i> , 2004 , 90, 629-36	6	16
1	Pars Plana Vitrectomy Foreign Body Extraction Assisted With a 24-Gauge Needle Tunnel. <i>Ophthalmic Surgery Lasers and Imaging Retina</i> , 2004 , 35, 70-73	1.4	1