

# Katrin Wacker

## List of Publications by Year in descending order

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Version: 2024-02-01

31  
papers

686  
citations

840776

11  
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610901

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37  
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37  
docs citations

37  
times ranked

520  
citing authors

#	ARTICLE	IF	CITATIONS
1	Descemet Stripping Endothelial Keratoplasty for Fuchs' Endothelial Corneal Dystrophy. <i>Ophthalmology</i> , 2016, 123, 154-160.	5.2	96
2	Corneal High-Order Aberrations and Backscatter in Fuchs' Endothelial Corneal Dystrophy. <i>Ophthalmology</i> , 2015, 122, 1645-1652.	5.2	85
3	Determining Subclinical Edema in Fuchs Endothelial Corneal Dystrophy: Revised Classification using Scheimpflug Tomography for Preoperative Assessment. <i>Ophthalmology</i> , 2019, 126, 195-204.	5.2	80
4	Measuring Corneal Haze by Using Scheimpflug Photography and Confocal Microscopy. , 2016, 57, 227.		51
5	Automated segmentation of the corneal endothelium in a large set of "real-world" specular microscopy images using the U-Net architecture. <i>Scientific Reports</i> , 2019, 9, 4752.	3.3	41
6	Avoiding Hyperopic Surprises After Descemet Membrane Endothelial Keratoplasty in Fuchs Dystrophy Eyes by Assessing Corneal Shape. <i>American Journal of Ophthalmology</i> , 2019, 197, 1-6.	3.3	39
7	Directional Posterior Corneal Profile Changes in Fuchs' Endothelial Corneal Dystrophy. , 2015, 56, 5904.		35
8	Effect of Graft Thickness on Visual Acuity After Descemet Stripping Endothelial Keratoplasty: A Systematic Review and Meta-Analysis. <i>American Journal of Ophthalmology</i> , 2016, 163, 18-28.	3.3	27
9	Patient-Reported Visual Disability in Fuchs' Endothelial Corneal Dystrophy Measured by the Visual Function and Corneal Health Status Instrument. <i>Ophthalmology</i> , 2018, 125, 1854-1861.	5.2	27
10	Diurnal Variation in Corneal Edema in Fuchs Endothelial Corneal Dystrophy. <i>American Journal of Ophthalmology</i> , 2019, 207, 351-355.	3.3	23
11	Corneal Hydration Control in Fuchs' Endothelial Corneal Dystrophy. , 2016, 57, 5060.		22
12	Corneal Optical Changes Associated with Induced Edema in Fuchs Endothelial Corneal Dystrophy. <i>Cornea</i> , 2018, 37, 313-317.	1.7	19
13	Predicting Edema Resolution After Descemet Membrane Endothelial Keratoplasty for Fuchs Dystrophy Using Scheimpflug Tomography. <i>JAMA Ophthalmology</i> , 2021, 139, 423.	2.5	19
14	New Technologies in Clinical Trials in Corneal Diseases and Limbal Stem Cell Deficiency: Review from the European Vision Institute Special Interest Focus Group Meeting. <i>Ophthalmic Research</i> , 2021, 64, 145-167.	1.9	13
15	Inhibition of corneal inflammation following keratoplasty by birch leaf extract. <i>Experimental Eye Research</i> , 2012, 97, 24-30.	2.6	11
16	Morphological and Optical Determinants of Visual Disability in Fuchs Endothelial Corneal Dystrophy. <i>Cornea</i> , 2020, 39, 726-731.	1.7	11
17	Hyperosmolar Eye Drops for Diurnal Corneal Edema in Fuchs' Endothelial Dystrophy. <i>Ophthalmology</i> , 2021, 128, 1527-1533.	5.2	11
18	Short-Term Azithromycin Treatment Promotes Cornea Allograft Survival in the Rat. <i>PLoS ONE</i> , 2013, 8, e82687.	2.5	8

#	ARTICLE	IF	CITATIONS
19	Medical and Semi-surgical Treatments for Fuchs Endothelial Corneal Dystrophy. <i>Klinische Monatsblätter Fur Augenheilkunde</i> , 2018, 235, 709-713.	0.5	7
20	Hyperopic Trend after Cataract Surgery in Eyes with Fuchs's™ Endothelial Corneal Dystrophy. <i>Ophthalmology</i> , 2018, 125, 1302-1304.	5.2	6
21	Rotational alignment of corneal endothelial grafts and risk of graft detachment after Descemet membrane endothelial keratoplasty: a double-masked pseudo-randomized study. <i>Acta Ophthalmologica</i> , 2021, 99, e1334-e1339.	1.1	5
22	Vertical Scrolling Axis of Corneal Endothelial Grafts for Descemet Membrane Endothelial Keratoplasty. <i>Cornea</i> , 2021, 40, 497-501.	1.7	5
23	Characterization of the Cellular Microenvironment and Novel Specific Biomarkers in Pterygia Using RNA Sequencing. <i>Frontiers in Medicine</i> , 2021, 8, 714458.	2.6	5
24	Three-dimensional map of Descemet membrane endothelial keratoplasty detachment: development and application of a deep learning model. <i>Ophthalmology Science</i> , 2021, , 100067.	2.5	4
25	Corneal Oedema: Aetiology, Diagnostic Testing, and Treatment. <i>Klinische Monatsblätter Fur Augenheilkunde</i> , 2022, 239, 752-759.	0.5	3
26	Re: Watanabe et al.: Relationship between corneal guttae and quality of vision in patients with mild Fuchs' endothelial corneal dystrophy ( <i>Ophthalmology</i> 2015;122:2103-9). <i>Ophthalmology</i> , 2016, 123, e23-e24.	5.2	2
27	Reply. <i>Ophthalmology</i> , 2019, 126, e22.	5.2	1
28	Graft Detachment after Descemet Membrane Endothelial Keratoplasty with and without Cataract Surgery. <i>Ophthalmology Science</i> , 2022, 2, 100194.	2.5	1
29	Considerations When Using a Statistical Learning Model to Predict Corneal Edema Resolution—Reply. <i>JAMA Ophthalmology</i> , 2021, 139, 1145.	2.5	0
30	Optical and Anatomic Changes in Fuchs Endothelial Dystrophy Corneas. , 2017, , 51-71.		0
31	Scrolling of the Donor Cornea in Dependence of Temperature and Osmolarity for Descemet Membrane Endothelial Keratoplasty. <i>Klinische Monatsblätter Fur Augenheilkunde</i> , 2020, , .	0.5	0