

# Doreen Schmidl

## 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.

84  
papers

2,004  
citations

25  
h-index

41  
g-index

94  
ext. papers

2,470  
ext. citations

4.2  
avg, IF

4.81  
L-index

#	Paper	IF	Citations
84	Metabolic phenotyping of tear fluid as a prognostic tool for personalised medicine exemplified by T2DM patients.. <i>EPMA Journal</i> , <b>2022</b> , 13, 107-123	8.8	1
83	Retinal Oxygen Metabolism and Haemodynamics in Patients With Multiple Sclerosis and History of Optic Neuritis. <i>Frontiers in Neuroscience</i> , <b>2021</b> , 15, 761654	5.1	0
82	Retinal vessel diameters, flicker-induced retinal vasodilation and retinal oxygen saturation in high- and low-risk pregnancy. <i>Acta Ophthalmologica</i> , <b>2021</b> , 99, 628-636	3.7	0
81	A Phase III, Multicenter, Randomized, Placebo-Controlled, Double-Masked Trial of a Topical Estradiol Ophthalmic Formulation in Postmenopausal Women with Moderate-to-Severe Dry Eye Disease. <i>Advances in Therapy</i> , <b>2021</b> , 38, 1975-1986	4.1	2
80	Measuring optic nerve head perfusion to monitor glaucoma: a study on structure-function relationships using laser speckle flowgraphy. <i>Acta Ophthalmologica</i> , <b>2021</b> ,	3.7	5
79	Bio-Distribution and Pharmacokinetics of Topically Administered $\beta$ -Cyclodextrin Based Eye Drops in Rabbits. <i>Pharmaceuticals</i> , <b>2021</b> , 14,	5.2	4
78	Anwendungsmöglichkeiten der optischen Kohärenztomographie beim trockenen Auge. <i>Spektrum Der Augenheilkunde</i> , <b>2021</b> , 35, 169	0	
77	ABCB1 and ABCG2 Together Limit the Distribution of ABCB1/ABCG2 Substrates to the Human Retina and the Single Nucleotide Polymorphism Q141K (c.421C> A) May Lead to Increased Drug Exposure. <i>Frontiers in Pharmacology</i> , <b>2021</b> , 12, 698966	5.6	0
76	Plexus-specific effect of flicker-light stimulation on the retinal microvasculature assessed with optical coherence tomography angiography. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2021</b> , 320, H23-H28	5.2	6
75	The Effect of Orally Administered Low-Dose Dronabinol on Retinal Blood Flow and Oxygen Metabolism in Healthy Subjects. <i>Journal of Ocular Pharmacology and Therapeutics</i> , <b>2021</b> , 37, 360-366	2.6	1
74	Quantification of intrinsic optical signals in the outer human retina using optical coherence tomography. <i>Annals of the New York Academy of Sciences</i> , <b>2021</b> ,	6.5	2
73	Effect of recombinant human nerve growth factor eye drops in patients with dry eye: a phase IIa, open label, multiple-dose study. <i>British Journal of Ophthalmology</i> , <b>2020</b> , 104, 127-135	5.5	19
72	Optical Coherence Tomography Angiography in Diabetes and Diabetic Retinopathy. <i>Journal of Clinical Medicine</i> , <b>2020</b> , 9,	5.1	20
71	Anatomical and functional changes in the retina in patients with Alzheimer's disease and mild cognitive impairment. <i>Acta Ophthalmologica</i> , <b>2020</b> , 98, e914-e921	3.7	19
70	Changes in Retinal Blood Flow in Response to an Experimental Increase in IOP in Healthy Participants as Assessed With Doppler Optical Coherence Tomography <b>2020</b> , 61, 33		9
69	The Effect of Orally Administered Dronabinol on Optic Nerve Head Blood Flow in Healthy Subjects-A Randomized Clinical Trial. <i>Clinical Pharmacology and Therapeutics</i> , <b>2020</b> , 108, 155-161	6.1	3
68	A pilot study to assess the effect of a three-month vitamin supplementation containing L-methylfolate on systemic homocysteine plasma concentrations and retinal blood flow in patients with diabetes. <i>Molecular Vision</i> , <b>2020</b> , 26, 326-333	2.3	3

67	Topical Low Dose Preservative-Free Hydrocortisone Reduces Signs and Symptoms in Patients with Chronic Dry Eye: A Randomized Clinical Trial. <i>Advances in Therapy</i> , <b>2020</b> , 37, 329-341	4.1	16
66	Influence of Perfluorohexyloctane Eye Drops on Tear Film Thickness in Patients with Mild to Moderate Dry Eye Disease: A Randomized Controlled Clinical Trial. <i>Journal of Ocular Pharmacology and Therapeutics</i> , <b>2020</b> , 36, 154-161	2.6	11
65	The Association between Tear Film Thickness as Measured with OCT and Symptoms and Signs of Dry Eye Disease: A Pooled Analysis of 6 Clinical Trials. <i>Journal of Clinical Medicine</i> , <b>2020</b> , 9,	5.1	3
64	Approaches to quantify optical coherence tomography angiography metrics. <i>Annals of Translational Medicine</i> , <b>2020</b> , 8, 1205	3.2	9
63	Novel Approaches for Imaging-Based Diagnosis of Ocular Surface Disease. <i>Diagnostics</i> , <b>2020</b> , 10,	3.8	9
62	Repeatability and Reproducibility of Total Retinal Blood Flow Measurements Using Bi-Directional Doppler OCT. <i>Translational Vision Science and Technology</i> , <b>2020</b> , 9, 34	3.3	5
61	Retinal Neurovascular Coupling in Diabetes. <i>Journal of Clinical Medicine</i> , <b>2020</b> , 9,	5.1	13
60	Regulation of Choroidal Blood Flow During Isometric Exercise at Different Levels of Intraocular Pressure <b>2019</b> , 60, 176-182		7
59	A New Scoring System for Progressive Keratoconus. <i>JAMA Ophthalmology</i> , <b>2019</b> , 137, 617	3.9	3
58	Referral for first glaucoma surgery in Europe, the ReF-GS study. <i>European Journal of Ophthalmology</i> , <b>2019</b> , 29, 406-416	1.9	5
57	Age-Related Decline of Retinal Oxygen Extraction in Healthy Subjects <b>2019</b> , 60, 3162-3169		16
56	Automatic assessment of tear film and tear meniscus parameters in healthy subjects using ultrahigh-resolution optical coherence tomography. <i>Biomedical Optics Express</i> , <b>2019</b> , 10, 2744-2756	3.5	11
55	Ultrahigh-resolution anterior segment optical coherence tomography for analysis of corneal microarchitecture during wound healing. <i>Acta Ophthalmologica</i> , <b>2019</b> , 97, e761-e771	3.7	9
54	Optic nerve head blood flow regulation during changes in arterial blood pressure in patients with primary open-angle glaucoma. <i>Acta Ophthalmologica</i> , <b>2019</b> , 97, e36-e41	3.7	17
53	Assessment of choroidal blood flow using laser speckle flowgraphy. <i>British Journal of Ophthalmology</i> , <b>2018</b> , 102, 1679-1683	5.5	18
52	Anterior segment optical coherence tomography. <i>Progress in Retinal and Eye Research</i> , <b>2018</b> , 66, 132-156	0.5	190
51	Distinguishing Keratoconic Eyes and Healthy Eyes Using Ultrahigh-Resolution Optical Coherence Tomography-Based Corneal Epithelium Thickness Mapping. <i>American Journal of Ophthalmology</i> , <b>2018</b> , 189, 47-54	4.9	19
50	Effect of changing from preserved prostaglandins to preservative-free tafluprost in patients with glaucoma on tear film thickness. <i>European Journal of Ophthalmology</i> , <b>2018</b> , 28, 385-392	1.9	12

49	Evaluation of flicker induced hyperemia in the retina and optic nerve head measured by Laser Speckle Flowgraphy. <i>PLoS ONE</i> , <b>2018</b> , 13, e0207525	3.7	11
48	Effect of Single Instillation of Two Hyaluronic Acid-Based Topical Lubricants on Tear Film Thickness in Patients with Dry Eye Syndrome. <i>Journal of Ocular Pharmacology and Therapeutics</i> , <b>2018</b> , 34, 605-611	2.6	10
47	Effect of Hyaluronic Acid/Trehalose in Two Different Formulations on Signs and Symptoms in Patients with Moderate to Severe Dry Eye Disease. <i>Journal of Ophthalmology</i> , <b>2018</b> , 2018, 4691417	2	10
46	A Controlled, Randomized Double-Blind Study to Evaluate the Safety and Efficacy of Chitosan-N-Acetylcysteine for the Treatment of Dry Eye Syndrome. <i>Journal of Ocular Pharmacology and Therapeutics</i> , <b>2017</b> , 33, 375-382	2.6	28
45	Retinal oxygen extraction in individuals with type 1 diabetes with no or mild diabetic retinopathy. <i>Diabetologia</i> , <b>2017</b> , 60, 1534-1540	10.3	37
44	Effect of different lubricant eye gels on tear film thickness as measured with ultrahigh-resolution optical coherence tomography. <i>Acta Ophthalmologica</i> , <b>2017</b> , 95, e307-e313	3.7	21
43	Optic nerve head and retinal blood flow regulation during isometric exercise as assessed with laser speckle flowgraphy. <i>PLoS ONE</i> , <b>2017</b> , 12, e0184772	3.7	25
42	Ultrahigh-resolution OCT imaging of the human cornea. <i>Biomedical Optics Express</i> , <b>2017</b> , 8, 1221-1239	3.5	63
41	Measurements of Retinal Perfusion Using Laser Speckle Flowgraphy and Doppler Optical Coherence Tomography <b>2016</b> , 57, 5417-5425		27
40	Factors Determining Flicker-Induced Retinal Vasodilation in Healthy Subjects <b>2016</b> , 57, 3306-12		19
39	Factors Associated With Choroidal Blood Flow Regulation in Healthy Young Subjects <b>2016</b> , 57, 5705-5713		8
38	Ocular Blood Flow Measurements in Healthy White Subjects Using Laser Speckle Flowgraphy. <i>PLoS ONE</i> , <b>2016</b> , 11, e0168190	3.7	51
37	Super-resolved thickness maps of thin film phantoms and in vivo visualization of tear film lipid layer using OCT. <i>Biomedical Optics Express</i> , <b>2016</b> , 7, 2650-70	3.5	19
36	Measurement of Retinal Vascular Caliber From Optical Coherence Tomography Phase Images <b>2016</b> , 57, OCT121-9		10
35	An Exploratory Microdialysis Study to Assess the Ocular Pharmacokinetics of Ciprofloxacin Eye Drops in Rabbits. <i>Journal of Ocular Pharmacology and Therapeutics</i> , <b>2016</b> , 32, 390-5	2.6	2
34	Effect of a Matrix Therapy Agent on Corneal Epithelial Healing After Standard Collagen Cross-linking in Patients With Keratoconus: A Randomized Clinical Trial. <i>JAMA Ophthalmology</i> , <b>2016</b> , 134, 1169-1176	3.9	20
33	Gender differences in ocular blood flow. <i>Current Eye Research</i> , <b>2015</b> , 40, 201-12	2.9	42
32	Tear film thickness after treatment with artificial tears in patients with moderate dry eye disease. <i>Cornea</i> , <b>2015</b> , 34, 421-6	3.1	51

31	In vivo tear film thickness measurement and tear film dynamics visualization using spectral domain optical coherence tomography. <i>Optics Express</i> , <b>2015</b> , 23, 21043-63	3.3	47
30	Relation of retinal blood flow and retinal oxygen extraction during stimulation with diffuse luminance flicker. <i>Scientific Reports</i> , <b>2015</b> , 5, 18291	4.9	17
29	Retinal oxygen extraction in humans. <i>Scientific Reports</i> , <b>2015</b> , 5, 15763	4.9	38
28	Effect of hyaluronic acid on tear film thickness as assessed with ultra-high resolution optical coherence tomography. <i>Acta Ophthalmologica</i> , <b>2015</b> , 93, 439-43	3.7	36
27	Pharmacotherapy of glaucoma. <i>Journal of Ocular Pharmacology and Therapeutics</i> , <b>2015</b> , 31, 63-77	2.6	84
26	The association between subjective and objective parameters for the assessment of dry-eye syndrome. <i>Investigative Ophthalmology and Visual Science</i> , <b>2015</b> , 56, 1467-72		38
25	Nutritional supplements in age-related macular degeneration. <i>Acta Ophthalmologica</i> , <b>2015</b> , 93, 105-21	3.7	29
24	Antioxidative capacity of a dietary supplement on retinal hemodynamic function in a human lipopolysaccharide (LPS) model. <i>Investigative Ophthalmology and Visual Science</i> , <b>2014</b> , 56, 403-11		4
23	Retinal hemodynamic effects of antioxidant supplementation in an endotoxin-induced model of oxidative stress in humans <b>2014</b> , 55, 2220-7		6
22	Retinal oxygen metabolism during normoxia and hyperoxia in healthy subjects <b>2014</b> , 55, 4707-13		41
21	Effect of increased oxygen tension on flicker-induced vasodilatation in the human retina. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2014</b> , 34, 1914-8	7.3	19
20	Regulation of retinal oxygen metabolism in humans during graded hypoxia. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2014</b> , 307, H1412-8	5.2	32
19	Flicker-induced retinal vasodilatation is not dependent on complement factor H polymorphism in healthy young subjects. <i>Acta Ophthalmologica</i> , <b>2014</b> , 92, e540-5	3.7	5
18	Effects of orally administered moxaverine on ocular blood flow in healthy subjects. <i>Graefers Archive for Clinical and Experimental Ophthalmology</i> , <b>2013</b> , 251, 515-20	3.8	4
17	Role of nitric oxide in optic nerve head blood flow regulation during an experimental increase in intraocular pressure in healthy humans. <i>Experimental Eye Research</i> , <b>2013</b> , 116, 247-53	3.7	18
16	Regulation of optic nerve head blood flow during combined changes in intraocular pressure and arterial blood pressure. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2013</b> , 33, 1850-6	7.3	34
15	Role of endothelin-A receptors in optic nerve head red cell flux regulation during isometric exercise in healthy humans. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2013</b> , 304, H170-4	5.2	8
14	Measurement of tear film thickness using ultrahigh-resolution optical coherence tomography <b>2013</b> , 54, 5578-83		99

13	Role of nitric oxide in optic nerve head blood flow regulation during isometric exercise in healthy humans <b>2013</b> , 54, 1964-70		18
12	Measurement of retinal oxygen saturation in patients with chronic obstructive pulmonary disease <b>2013</b> , 54, 1008-13		25
11	Neurovascular dysfunction precedes neural dysfunction in the retina of patients with type 1 diabetes <b>2013</b> , 54, 842-7		61
10	Alterations of choroidal blood flow regulation in young healthy subjects with complement factor H polymorphism. <i>PLoS ONE</i> , <b>2013</b> , 8, e60424	3.7	11
9	Optic nerve head blood flow autoregulation during changes in arterial blood pressure in healthy young subjects. <i>PLoS ONE</i> , <b>2013</b> , 8, e82351	3.7	19
8	Reproducibility of retinal vessel oxygen saturation measurements in healthy young subjects. <i>Acta Ophthalmologica</i> , <b>2012</b> , 90, e616-20	3.7	17
7	Comparison of choroidal and optic nerve head blood flow regulation during changes in ocular perfusion pressure <b>2012</b> , 53, 4337-46		54
6	Effect of nifedipine on choroidal blood flow regulation during isometric exercise <b>2012</b> , 53, 374-8		6
5	The complex interaction between ocular perfusion pressure and ocular blood flow - relevance for glaucoma. <i>Experimental Eye Research</i> , <b>2011</b> , 93, 141-55	3.7	192
4	Effect of regular smoking on flicker induced retinal vasodilatation in healthy subjects. <i>Microvascular Research</i> , <b>2011</b> , 82, 351-5	3.7	41
3	Correlation of optic disc morphology and ocular perfusion parameters in patients with primary open angle glaucoma. <i>Acta Ophthalmologica</i> , <b>2011</b> , 89, e544-9	3.7	27
2	Effect of latanoprost on choroidal blood flow regulation in healthy subjects <b>2011</b> , 52, 4410-5		28
1	Role of adenosine in the control of choroidal blood flow during changes in ocular perfusion pressure <b>2011</b> , 52, 6035-9		25