

Peter Walter

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.

190
papers

3,282
citations

30
h-index

49
g-index

245
ext. papers

3,864
ext. citations

3
avg, IF

4.97
L-index

#	Paper	IF	Citations
190	Effects of Hydrostatic Pressure on Electrical Retinal Activity in a Multielectrode Array-Based Glaucoma Acute Model.. <i>Frontiers in Neuroscience</i> , 2022 , 16, 831392	5.1	0
189	Outcomes of combined single-use dual blade goniotomy and cataract surgery.. <i>International Ophthalmology</i> , 2022 , 1	2.2	0
188	Innovative Technologien für optimiertes künstliches Sehen. <i>Laryngo- Rhino- Otologie</i> , 2022 , 101, S79-S88.8		
187	New epiretinal implant with integrated sensor chips for optical capturing shows a good biocompatibility profile in vitro and in vivo. <i>BioMedical Engineering OnLine</i> , 2021 , 20, 102	4.1	0
186	Eingriffe am hinteren Augenabschnitt 2021 , 105-116		
185	Postmortem conjunctival and nasopharyngeal swabs in SARS-CoV-2 infected and uninfected patients. <i>Acta Ophthalmologica</i> , 2021 , 99, e615-e617	3.7	8
184	Association of ocular blood flow and contrast sensitivity in normal tension glaucoma. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 2021 , 259, 2251-2257	3.8	
183	Effects of uncomplicated Descemet membrane endothelial keratoplasty on the central retinal thickness. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 2021 , 259, 2731-2741	3.8	1
182	Does hemispheric vascular regulation differ significantly in glaucoma patients with altitudinal visual field asymmetry? A single-center, prospective study. <i>International Ophthalmology</i> , 2021 , 41, 3109-3119	2.2	
181	Current Challenges Facing Cornea Banks. <i>Klinische Monatsblätter Fur Augenheilkunde</i> , 2021 , 238, 663-672.8		
180	A multielectrode array-based hypoxia model for the analysis of electrical activity in murine retinae. <i>Journal of Neuroscience Research</i> , 2021 , 99, 2172-2187	4.4	2
179	In situ X-ray measurements over large Q-space to study the evolution of oxide thin films prepared by RF sputter deposition. <i>Journal of Materials Science</i> , 2021 , 56, 290-304	4.3	3
178	Intraocular lens power calculation for plus and minus lenses in high myopia using partial coherence interferometry. <i>International Ophthalmology</i> , 2021 , 41, 1585-1592	2.2	0
177	In Situ X-ray Measurements to Follow the Crystallization of BaTiO ₃ Thin Films during RF-Magnetron Sputter Deposition. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 8970	2.6	
176	Human platelet lysate as a replacement for fetal bovine serum in human corneal stromal keratocyte and fibroblast culture. <i>Journal of Cellular and Molecular Medicine</i> , 2021 , 25, 9647-9659	5.6	3
175	Establishment and Characterization of a Unilateral UV-Induced Photoreceptor Degeneration Model in the C57Bl/6J Mouse. <i>Translational Vision Science and Technology</i> , 2020 , 9, 21	3.3	3
174	Hypotony and the Argus II retinal prosthesis: causes, prevention and management. <i>British Journal of Ophthalmology</i> , 2020 , 104, 518-523	5.5	4

173	Development of visual acuity under hyperbaric oxygen treatment (HBO) in non arteritic retinal branch artery occlusion. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 2020 , 258, 303-310 ^{3.8}	3.8	1
172	Outcomes of 360° suture trabeculotomy after unsuccessful canaloplasty. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 2020 , 258, 387-393	3.8	2
171	Blockade of Retinal Oscillations by Benzodiazepines Improves Efficiency of Electrical Stimulation in the Mouse Model of RP, rd10 2020 , 61, 37		0
170	Development and in vitro validation of flexible intraretinal probes. <i>Scientific Reports</i> , 2020 , 10, 19836	4.9	1
169	ADVERSE EVENTS OF THE ARGUS II RETINAL PROSTHESIS: Incidence, Causes, and Best Practices for Managing and Preventing Conjunctival Erosion. <i>Retina</i> , 2020 , 40, 303-311	3.6	12
168	One-Year Safety and Performance Assessment of the Argus II Retinal Prosthesis: A Postapproval Study. <i>JAMA Ophthalmology</i> , 2019 , 137, 896-902	3.9	15
167	Corneal bioprinting utilizing collagen-based bioinks and primary human keratocytes. <i>Journal of Biomedical Materials Research - Part A</i> , 2019 , 107, 1945-1953	5.4	53
166	Long-term Clinical Results of Vitrectomy and Scleral Buckling in Treatment of Rhegmatogenous Retinal Detachment. <i>Scientific World Journal, The</i> , 2019 , 2019, 5416806	2.2	5
165	Toward a Bidirectional Communication Between Retinal Cells and a Prosthetic Device - A Proof of Concept. <i>Frontiers in Neuroscience</i> , 2019 , 13, 367	5.1	4
164	Supplementation of organ culture medium with dextran is not required in pre-stripped human donor tissue for DMEK surgery. <i>Cell and Tissue Banking</i> , 2019 , 20, 193-200	2.2	4
163	The very large electrode array for retinal stimulation (VLARS)-A concept study. <i>Journal of Neural Engineering</i> , 2019 , 16, 066031	5	15
162	Response to letter to the editor Re: Baumgarten et al.: Vitrectomy with and without encircling band for pseudophakic retinal detachment with inferior breaks: VIPER study report no. 3. <i>Graefes Arch Clin Exp Ophthalmol</i> . 2018 Nov;256(11):2069-2073. doi: 10.1007/s00417-018-4106-6. Epub 2018 Aug 22. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 2019 , 257, 315-317	3.8	
161	Ocular Hemodynamics in Acute Nonarteritic Anterior Ischemic Optic Neuropathy Compared With Normal Tension Glaucoma. <i>Journal of Glaucoma</i> , 2019 , 28, 334-340	2.1	8
160	Ocular side effects of Levitra (vardenafil) - results of a double-blind crossover study in healthy male subjects. <i>Drug Design, Development and Therapy</i> , 2019 , 13, 37-43	4.4	2
159	Cryopreservation of amniotic membrane with and without glycerol additive. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 2018 , 256, 1117-1126	3.8	13
158	The Antibiotic-free pFAR4 Vector Paired with the Sleeping Beauty Transposon System Mediates Efficient Transgene Delivery in Human Cells. <i>Molecular Therapy - Nucleic Acids</i> , 2018 , 11, 57-67	10.7	7
157	Electro-spun Membranes as Scaffolds for Human Corneal Endothelial Cells. <i>Current Eye Research</i> , 2018 , 43, 1-11	2.9	38
156	Assessment of Corneal Endothelium during Continued Organ Culture of Pre-Stripped Human Donor Tissue for DMEK Surgery. <i>Current Eye Research</i> , 2018 , 43, 1439-1444	2.9	7

155	Current Controlled CMOS Stimulator with Programmable Pulse Pattern for a Retina Implant 2018 ,		1
154	Evaluation of Long-term Anatomic Changes Following Canaloplasty With Anterior Segment Spectral-domain Optical Coherence Tomography and Ultrasound Biomicroscopy. <i>Journal of Glaucoma</i> , 2018 , 27, 87-93	2.1	9
153	Long-term follow-up after implantation of a telemetric intraocular pressure sensor in patients with glaucoma: a safety report. <i>Clinical and Experimental Ophthalmology</i> , 2018 , 46, 473-479	2.4	11
152	Automated, Noncontact Intraocular Pressure Home Monitoring after Implantation of a Novel Telemetric Intraocular Pressure Sensor in Patients with Glaucoma: A Feasibility Study. <i>BioMed Research International</i> , 2018 , 2018, 4024198	3	4
151	Vitrectomy with and without encircling band for pseudophakic retinal detachment with inferior breaks: VIPER Study Report No. 3. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 2018 , 256, 2069-2073	3.8	11
150	The role of corneal endothelial morphology in graft assessment and prediction of endothelial cell loss during organ culture of human donor corneas. <i>Acta Ophthalmologica</i> , 2017 , 95, 205-210	3.7	5
149	Goldmann Applanation Tonometry versus Dynamic Contour Tonometry after Vitrectomy with Silicone Oil Endotamponade. <i>Current Eye Research</i> , 2017 , 42, 1007-1012	2.9	3
148	Author reply: central corneal thickness determination in corneal edema. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 2017 , 255, 1253-1254	3.8	1
147	Engineering of PEDF-Expressing Primary Pigment Epithelial Cells by the SB Transposon System Delivered by pFAR4 Plasmids. <i>Molecular Therapy - Nucleic Acids</i> , 2017 , 6, 302-314	10.7	17
146	Vitrectomy with and without encircling band for pseudophakic retinal detachment: VIPER Study Report No 2-main results. <i>British Journal of Ophthalmology</i> , 2017 , 101, 712-718	5.5	24
145	Design of a CMOS image sensor and stimulation IC for a wide-angle retina implant 2017 ,		1
144	Intraocular silicone implant to treat chronic ocular hypotony: an in vivo trial. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 2017 , 255, 1947-1955	3.8	4
143	Photoreceptor degeneration by intravitreal injection of N-methyl-N-nitrosourea (MNU) in rabbits: a pilot study. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 2017 , 255, 317-331	3.8	12
142	A Fully Intraocular Approach for a Bi-Directional Retinal Prosthesis 2017 , 151-161		5
141	The effect of air, SF6 and C3F8 on immortalized human corneal endothelial cells. <i>Acta Ophthalmologica</i> , 2017 , 95, e284-e290	3.7	9
140	Implementation of a Charge-Controlled Stimulation Method in a Monolithic Integrated CMOS-Chip for Excitation of Retinal Neuron Cells 2017 ,		2
139	Correlations between specific patterns of spontaneous activity and stimulation efficiency in degenerated retina. <i>PLoS ONE</i> , 2017 , 12, e0190048	3.7	10
138	Evaluation of Retinal Function and Morphology of the Pink-Eyed Royal College of Surgeons (RCS) Rat: A Comparative Study of in Vivo and in Vitro Methods. <i>Current Eye Research</i> , 2017 , 42, 273-281	2.9	10

137	Comparison of Gebauer SLc and Moria CBm Carriazo-Barraquer ALK Microkeratomes for Descemet [®] Stripping Automated Endothelial Keratoplasty Preparation. <i>Current Eye Research</i> , 2016 , 41, 343-9	2.9	3
136	Financial burden and quality of life of informal caregivers of patients with wet age-related macular degeneration. <i>Health Economics Review</i> , 2016 , 6, 37	2	4
135	Role of the Endothelial Layer in the Deswelling Process of Organ-Cultured Human Corneas Before Transplantation. <i>Cornea</i> , 2016 , 35, 1216-21	3.1	10
134	Sehprothesen. <i>Spektrum Der Augenheilkunde</i> , 2016 , 30, 147-163	0	
133	Surgical feasibility and biocompatibility of wide-field dual-array suprachoroidal-transretinal stimulation prosthesis in middle-sized animals. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 2016 , 254, 661-73	3.8	12
132	Properties of Retinal Precursor Cells Grown on Vertically Aligned Multiwalled Carbon Nanotubes Generated for the Modification of Retinal Implant-Embedded Microelectrode Arrays. <i>Journal of Ophthalmology</i> , 2016 , 2016, 2371021	2	5
131	Gebauer SLc Original and Moria One-Use Plus automated microkeratomes for ultrathin Descemet [®] stripping automated endothelial keratoplasty preparation. <i>Acta Ophthalmologica</i> , 2016 , 94, e731-e737	3.7	8
130	Goldmann Applanation Tonometry Versus Dynamic Contour Tonometry After Vitrectomy. <i>Journal of Glaucoma</i> , 2016 , 25, 663-8	2.1	3
129	Evaluation of early anatomical changes following canaloplasty with anterior segment spectral-domain optical coherence tomography and ultrasound biomicroscopy. <i>Acta Ophthalmologica</i> , 2016 , 94, e287-92	3.7	17
128	Vitrectomy with or without encircling band for pseudophakic retinal detachment: a multi-centre, three-arm, randomised clinical trial. VIPER Study Report No. 1--design and enrolment. <i>British Journal of Ophthalmology</i> , 2016 , 100, 405-10	5.5	7
127	Intraocular silicone implant to treat chronic ocular hypotony-preliminary feasibility data. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 2016 , 254, 2131-2139	3.8	2
126	Central Retinal Artery Occlusion in a Teenager. <i>Ophthalmology</i> , 2016 , 123, 907	7.3	1
125	Conjunctival and intraocular swabs for the microbiological assessment of donor corneas. <i>Acta Ophthalmologica</i> , 2016 , 94, 70-5	3.7	11
124	Implantation of a novel telemetric intraocular pressure sensor in patients with glaucoma (ARGOS study): 1-year results. <i>Investigative Ophthalmology and Visual Science</i> , 2015 , 56, 1063-9		56
123	Transplantation of PEDF-transfected pigment epithelial cells inhibits corneal neovascularization in a rabbit model. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 2015 , 253, 1061-9	3.8	10
122	Beamline P02.1 at PETRA III for high-resolution and high-energy powder diffraction. <i>Journal of Synchrotron Radiation</i> , 2015 , 22, 675-87	2.4	114
121	A compact and low-weight sputtering unit for in situ investigations of thin film growth at synchrotron radiation beamlines. <i>Review of Scientific Instruments</i> , 2015 , 86, 053906	1.7	4
120	Central corneal thickness determination in corneal edema using ultrasound pachymetry, a Scheimpflug camera, and anterior segment OCT. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 2015 , 253, 1105-9	3.8	22

119	The effects of iodoacetic acid on the mouse retina. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 2015 , 253, 25-35	3.8	6
118	Blue-yellow and standard pattern visual evoked potentials in phakic and pseudophakic glaucoma patients and controls. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 2015 , 253, 2255-61	3.8	4
117	The Role of Specifically Tailored Communication Training Among Factors Influencing Consent for Cornea Donation Requested Via Telephone. <i>Transplantation</i> , 2015 , 99, 2223-9	1.8	5
116	Antiangiogenic and Neurogenic Activities of Sleeping Beauty-Mediated PEDF-Transfected RPE Cells In Vitro and In Vivo. <i>BioMed Research International</i> , 2015 , 2015, 863845	3	15
115	Physical origins and suppression of Ag dissolution in GeS(x)-based ECM cells. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 18217-25	3.6	25
114	Selective photoreceptor degeneration by intravitreal injection of N-methyl-N-nitrosourea 2014 , 55, 1711-23		24
113	The cost-effectiveness of the Argus II retinal prosthesis in Retinitis Pigmentosa patients. <i>BMC Ophthalmology</i> , 2014 , 14, 49	2.3	14
112	The effect of cataract surgery on blue-yellow and standard-pattern visual-evoked potentials. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 2014 , 252, 1831-7	3.8	6
111	Management of intraocular hypertension during hemodialysis by intravenous glucose administration. <i>American Journal of Kidney Diseases</i> , 2014 , 63, 500-2	7.4	6
110	Rhegmatogenous retinal detachment--an ophthalmologic emergency. <i>Deutsches A&#x0308;rztblatt International</i> , 2014 , 111, 12-21; quiz 22	2.5	54
109	Correlations between ERG, OCT, and Anatomical Findings in the rd10 Mouse. <i>Journal of Ophthalmology</i> , 2014 , 2014, 874751	2	23
108	Influence of the prediction error of the first eye undergoing cataract surgery on the refractive outcome of the fellow eye. <i>Clinical Ophthalmology</i> , 2014 , 8, 2177-81	2.5	4
107	Topography of retinal recovery processes in humans. <i>Clinical Ophthalmology</i> , 2014 , 8, 2133-9	2.5	
106	Tonometry in corneal edema after cataract surgery: rebound versus goldmann applanation tonometry. <i>Current Eye Research</i> , 2014 , 39, 902-7	2.9	5
105	Human complement factor H and factor H-like protein 1 are expressed in human retinal pigment epithelial cells. <i>Ophthalmic Research</i> , 2014 , 51, 59-66	2.9	8
104	Clinical observations and occurrence of complications following heavy silicone oil surgery. <i>BioMed Research International</i> , 2014 , 2014, 706809	3	3
103	Monitoring intraocular pressure changes after intravitreal Ranibizumab injection using rebound tonometry. <i>Ophthalmic and Physiological Optics</i> , 2014 , 34, 438-44	4.1	11
102	Development of very large electrode arrays for epiretinal stimulation (VLARS). <i>BioMedical Engineering OnLine</i> , 2014 , 13, 11	4.1	26

101	Pharmacological analysis of intrinsic neuronal oscillations in rd10 retina. <i>PLoS ONE</i> , 2014 , 9, e99075	3.7	33
100	Partial Coherence Laser Interferometry in Highly Myopic versus Emmetropic Eyes. <i>Journal of Ophthalmic and Vision Research</i> , 2014 , 9, 169-73	1.2	2
99	Scleral buckling versus primary vitrectomy in rhegmatogenous retinal detachment study (SPR study): Risk assessment of anatomical outcome. SPR study report no. 7. <i>Acta Ophthalmologica</i> , 2013 , 91, 282-7	3.7	28
98	A case of siderosis bulbi without a radiologically detectable foreign body. <i>Canadian Journal of Ophthalmology</i> , 2013 , 48, e9-e11	1.4	3
97	Trauma mit Beteiligung des hinteren Augenabschnitts. <i>Klinische Monatsblätter Fur Augenheilkunde</i> , 2013 , 230, e17-e17	0.8	
96	Effects of coagulation on the autofluorescence pattern of ARPE-19 cells: an in vitro study. <i>Ophthalmic Research</i> , 2013 , 49, 11-9	2.9	
95	Development of a very large array for retinal stimulation. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2013 , 2013, 2748-51	0.9	0
94	Acute electrical stimulation of the human retina with an epiretinal electrode array. <i>Acta Ophthalmologica</i> , 2012 , 90, e1-8	3.7	43
93	Development of surgical techniques for implantation of a wireless intraocular epiretinal retina implant in Göttingen minipigs. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 2012 , 250, 51-9	3.8	13
92	Accuracy of intraocular lens power calculation using partial coherence interferometry in patients with high myopia. <i>Ophthalmic and Physiological Optics</i> , 2012 , 32, 228-33	4.1	33
91	Early hyperbaric oxygen treatment for nonarteritic central retinal artery obstruction. <i>American Journal of Ophthalmology</i> , 2012 , 153, 454-459.e2	4.9	33
90	Sleeping Beauty transposon-mediated transfection of retinal and iris pigment epithelial cells 2012 , 53, 4787-96		28
89	Surface-modified silicone foils for intraocular implantation. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 2012 , 250, 823-7	3.8	3
88	Implantation and explantation of an active epiretinal visual prosthesis: 2-year follow-up data from the EPIRET3 prospective clinical trial. <i>Eye</i> , 2012 , 26, 501-9	4.4	52
87	Retinal detachment surgery: the dilemma between personal experience and clinical trials. <i>Expert Review of Ophthalmology</i> , 2012 , 7, 441-447	1.5	
86	Does surgical experience have an effect on the success of retinal detachment surgery?. <i>Retina</i> , 2012 , 32, 32-7	3.6	16
85	Detection of heat shock protein 70 in choroidal neovascular membranes secondary to age related macular degeneration. <i>BMC Research Notes</i> , 2011 , 4, 115	2.3	1
84	Endogenic regulation of proliferation and zinc transporters by pigment epithelial cells nonvirally transfected with PEDF 2011 , 52, 5400-7		5

83	Presence of xenogenic mouse RNA in RPE and IPE cells cultured on mitotically inhibited 3T3 fibroblasts 2011 , 52, 2817-24		8
82	Necrotizing sarcoid granulomatosis: ocular manifestation in 3 children of African origin. <i>JAMA Ophthalmology</i> , 2011 , 129, 1370-2		7
81	Scleral buckling versus primary vitrectomy in rhegmatogenous retinal detachment study (SPR Study): predictive factors for functional outcome. Study report no. 6. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 2011 , 249, 1129-36	3.8	39
80	Angiographic findings following tack fixation of a wireless epiretinal retina implant device in blind RP patients. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 2011 , 249, 1281-6	3.8	9
79	Improving the quality of multifocal visual evoked potential results by calculating multiple virtual channels. <i>Japanese Journal of Ophthalmology</i> , 2011 , 55, 396-400	2.6	4
78	Surgical Results and Microscopic Analysis of the Tissue Reaction following Implantation and Explantation of an Intraocular Implant for Epiretinal Stimulation in Minipigs. <i>Ophthalmic Research</i> , 2011 , 46, 192-8	2.9	4
77	Findings from Acute Retinal Stimulation in Blind Patients 2011 , 259-269		
76	Surgical management of subfoveal choroidal neovascular membranes in age-related macular degeneration by macular relocation: experiences of an early-stopped randomised clinical trial (MARAN Study). <i>Eye</i> , 2010 , 24, 284-9	4.4	2
75	High efficiency non-viral transfection of retinal and iris pigment epithelial cells with pigment epithelium-derived factor. <i>Gene Therapy</i> , 2010 , 17, 181-9	4	18
74	Detection of contamination during organ culture of the human cornea. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 2010 , 248, 117-26	3.8	24
73	Accuracy and reproducibility of axial length measurement in eyes with silicone oil endotamponade. <i>British Journal of Ophthalmology</i> , 2009 , 93, 1492-4	5.5	6
72	Implantation and explantation of a wireless epiretinal retina implant device: observations during the EPIRET3 prospective clinical trial 2009 , 50, 3003-8		121
71	Preservation of photoreceptors in dystrophic RCS rats following allo- and xenotransplantation of IPE cells. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 2009 , 247, 363-9	3.8	14
70	The in vitro and in vivo behaviour of retinal pigment epithelial cells cultured on ultrathin collagen membranes. <i>Biomaterials</i> , 2009 , 30, 287-94	15.6	78
69	Implants for artificial vision. <i>Expert Review of Ophthalmology</i> , 2009 , 4, 515-523	1.5	1
68	Intraocular epiretinal prosthesis to restore vision in blind humans. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2008 , 2008, 5790-3	0.9	20
67	First results of a study on a completely implanted retinal prosthesis in blind humans 2008 ,		18
66	Effects of bevacizumab (Avastin) on retinal cells in organotypic culture 2008 , 49, 3164-71		30

65	Prediction of visual evoked potentials at any surface location from a set of three recording electrodes. <i>Documenta Ophthalmologica</i> , 2008 , 116, 207-16	2.2	1
64	Novel organotypic culture model of adult mammalian neurosensory retina in co-culture with retinal pigment epithelium. <i>Journal of Neuroscience Methods</i> , 2008 , 173, 47-58	3	50
63	Ocular aberrations in barn owl eyes. <i>Vision Research</i> , 2007 , 47, 2934-42	2.1	17
62	Amplitude calculation in multifocal ERG: comparison of repeatability in 30 Hz flicker and first order kernel stimulation. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 2007 , 245, 338-44	3.8	3
61	Different states of energy metabolism in the vertebrate retina can be identified by stimulus-related changes in near UV transmission. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 2007 , 245, 547-54	3.8	
60	Long-term follow-up of macular translocation with 360 degrees retinotomy for exudative age-related macular degeneration. <i>JAMA Ophthalmology</i> , 2007 , 125, 1367-72		30
59	Retinal pigment epithelium tears after intravitreal bevacizumab in pigment epithelium detachment. <i>American Journal of Ophthalmology</i> , 2007 , 144, 294-6	4.9	24
58	Artificial Vision 2007 , 199-209		
57	Towards the bionic eye--the retina implant: surgical, ophthalmological and histopathological perspectives. <i>Acta Neurochirurgica Supplementum</i> , 2007 , 97, 487-93	1.7	16
56	Visual resolution with retinal implants estimated from recordings in cat visual cortex. <i>Vision Research</i> , 2006 , 46, 2675-90	2.1	81
55	Fundus near infrared fluorescence correlates with fundus near infrared reflectance. <i>Investigative Ophthalmology and Visual Science</i> , 2006 , 47, 3098-108		95
54	Iris pigment epithelial translocation in the treatment of exudative macular degeneration: a 3-year follow-up. <i>JAMA Ophthalmology</i> , 2006 , 124, 183-8		52
53	Signal quality of biometry in silicone oil-filled eyes using partial coherence laser interferometry. <i>Journal of Cataract and Refractive Surgery</i> , 2005 , 31, 1006-10	2.3	21
52	Retinal Implants 2005 , 1-11		
51	Implantierbare Sehprothesen. <i>Ophthalmologe</i> , 2005 , 102, 931-932	1.6	
50	Cortical activation via an implanted wireless retinal prosthesis. <i>Investigative Ophthalmology and Visual Science</i> , 2005 , 46, 1780-5		81
49	A method and technical equipment for an acute human trial to evaluate retinal implant technology. <i>Journal of Neural Engineering</i> , 2005 , 2, S129-34	5	54
48	The retina implant--new approach to a visual prosthesis. <i>Biomedizinische Technik</i> , 2004 , 49, 99-103	1.3	18

47	Visual outcome of patients with macular edema after pars plana vitrectomy and indocyanine green-assisted peeling of the internal limiting membrane. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 2004 , 242, 273-8	3.8	53
46	Aktueller Stand der Iris-Pigmentepithel-Transplantation. <i>Spektrum Der Augenheilkunde</i> , 2004 , 18, 44-47		0
45	Clinicopathological correlation of choroidal neovascularization after external beam radiotherapy in age-related macular degeneration 2003 , 241, 269-76		3
44	Electro-oculographic findings after 360 degrees retinotomy and macular translocation for subfoveal choroidal neovascularisation in age-related macular degeneration. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 2003 , 241, 710-5	3.8	9
43	The effect of membrane differential filtration on the colloid osmotic pressure in patients with age-related macular degeneration: significance to visual function?. <i>Therapeutic Apheresis and Dialysis</i> , 2003 , 7, 263-8	1.9	6
42	Intermediate uveitis in childhood preceding the diagnosis of multiple sclerosis: a 13-year follow-up. <i>American Journal of Ophthalmology</i> , 2003 , 135, 885-6	4.9	11
41	Retinectomy for treatment of intractable glaucoma: long term results. <i>British Journal of Ophthalmology</i> , 2003 , 87, 1094-102	5.5	28
40	Clinicopathologic correlation in hemorrhagic age-related macular degeneration. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 2002 , 240, 279-85	3.8	13
39	Macular translocation with 360 degrees retinotomy for exudative age-related macular degeneration. <i>JAMA Ophthalmology</i> , 2002 , 120, 451-9		126
38	Biocompatibility tests on the intraocular vision aid IOVA. <i>Biomedizinische Technik</i> , 2002 , 47 Suppl 1 Pt 1, 176-8	1.3	2
37	Improvement of macular function by membrane differential filtration in diabetic retinopathy. <i>Journal of Clinical Apheresis</i> , 2001 , 16, 23-8	3.2	9
36	Electrophysiological changes after 360 degrees retinotomy and macular translocation for subfoveal choroidal neovascularisation in age related macular degeneration. <i>British Journal of Ophthalmology</i> , 2001 , 85, 928-32	5.5	13
35	Gas sandwich technique for IOL support in combined cataract and vitreoretinal surgery. <i>Journal of Cataract and Refractive Surgery</i> , 2001 , 27, 803	2.3	0
34	Effects of protein tyrosine kinase inhibitor genistein on retinal function in superfused vertebrate retina. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 2001 , 17, 151-8	2.6	7
33	Transplantation of autologous iris pigment epithelium after removal of choroidal neovascular membranes. <i>JAMA Ophthalmology</i> , 2000 , 118, 1350-5		97
32	Development of a completely encapsulated intraocular pressure sensor. <i>Ophthalmic Research</i> , 2000 , 32, 278-84	2.9	53
31	Initial investigations on systems for measuring intraocular pressure. <i>Sensors and Actuators A: Physical</i> , 2000 , 85, 287-291	3.9	42
30	Evoked cortical potentials after electrical stimulation of the inner retina in rabbits. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 2000 , 238, 315-8	3.8	64

29	Unusual visual evoked potentials in patients with age-related macular degeneration. <i>Ophthalmologica</i> , 2000 , 214, 312-9	3.7	5
28	Influence of membrane differential filtration on the natural course of age-related macular degeneration: a randomized trial. <i>Retina</i> , 2000 , 20, 483-91	3.6	44
27	SUCCESSFUL LONG-TERM IMPLANTATION OF ELECTRICALLY INACTIVE EPIRETINAL MICROELECTRODE ARRAYS IN RABBITS. <i>Retina</i> , 1999 , 19, 546-552	3.6	19
26	Primary non familial amyloidosis of the vitreous and subretinal amyloid bodies. <i>International Ophthalmology</i> , 1999 , 23, 1-2	2.2	1
25	Antibiotics and light responses in superfused bovine retina. <i>Cellular and Molecular Neurobiology</i> , 1999 , 19, 87-92	4.6	24
24	Electrophysiological abnormalities in age-related macular degeneration. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 1999 , 237, 962-8	3.8	35
23	Improvement of visual acuity in patients suffering from diabetic retinopathy after membrane differential filtration: a pilot study. <i>Transfusion Science</i> , 1999 , 21, 201-6		13
22	Effects of Etoposide (VP16) on Vertebrate Retinal Function. <i>Cutaneous and Ocular Toxicology</i> , 1999 , 18, 23-32		5
21	Retinal side-effects of sildenafil. <i>Lancet, The</i> , 1999 , 353, 375	4.0	77
20	Successful long-term implantation of electrically inactive epiretinal microelectrode arrays in rabbits. <i>Retina</i> , 1999 , 19, 546-52	3.6	99
19	Failure of sorivudine therapy in progressive outer retinal necrosis caused by varicella zoster virus. <i>Australian and New Zealand Journal of Ophthalmology</i> , 1998 , 26, 327-8		2
18	Autologous platelet treatment for optic disc pit associated with persistent macular detachment. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 1998 , 236, 151-3	3.8	21
17	Temporary vitreous gas tamponade by perfluoromethylcyclopentane. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 1998 , 236, 709-12	3.8	2
16	Unilateral pigmentary degeneration of the retina associated with heterochromia iridis. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 1998 , 236, 940-4	3.8	4
15	Plasminogen in proliferative vitreoretinal disorders. <i>British Journal of Ophthalmology</i> , 1997 , 81, 590-4	5.5	13
14	Episodic acute hypotonia after Nd:YAG laser capsulotomy--retinal function and choroidal swelling. <i>Vision Research</i> , 1997 , 37, 2937-42	2.1	2
13	Primary use of silicone oil tamponade in the management of perforating globe injury secondary to inadvertent local anaesthesia injection for ophthalmic surgery. <i>International Ophthalmology</i> , 1997 , 21, 349-52	2.2	1
12	Flecked chorioretinopathy associated with Birt-Hogg-Dub[is] syndrome. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 1997 , 235, 359-61	3.8	20

11	Prognostic factors associated with the visual outcome after vitrectomy for endophthalmitis. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 1996 , 234 Suppl 1, S51-8	3.8	17
10	The triple flash electroretinogram and its significance in macular diseases. B-wave recovery as a diagnostic tool. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 1996 , 234, 604-11	3.8	5
9	The cumulative normalised rim/disc area ratio curve. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 1996 , 234, 227-31	3.8	20
8	Change in Hemorrheological and Biochemical Parameters following Membrane Differential Filtration. <i>International Journal of Artificial Organs</i> , 1995 , 18, 794-798	1.9	31
7	Mineralogy and composition of manganese crusts and nodules and sediments from the Manihiki plateau and adjacent areas: Results of HMNZS Tui Cruises. <i>Marine Georesources and Geotechnology</i> , 1995 , 13, 321-337	2.2	1
6	Electrophysiologic abnormalities in two cases of familial amyloidosis. <i>American Journal of Ophthalmology</i> , 1995 , 119, 662-3	4.9	0
5	Effects of Clindamycin on Neural Function in the Isolated Perfused Vertebrate Retina 1995 , 63-67		1
4	Identification of fast spurts of pyridine nucleotide oxidation evoked by light stimulation in the isolated perfused vertebrate retina. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 1994 , 232, 318-23	3.8	4
3	Is general anaesthesia necessary to record reproducible electroretinograms in rabbits?. <i>German Journal of Ophthalmology</i> , 1994 , 3, 239-44		
2	Xenogeneic heart transplantation with 15-deoxyspergualin. Prolongation of graft survival. <i>Transplantation Proceedings</i> , 1987 , 19, 3993-4	1.1	7
1	Mineralogy and geochemistry of sediments in the Southwestern Pacific Basin: Tahiti [East Pacific Rise [New Zealand. <i>New Zealand Journal of Geology, and Geophysics</i> , 1985 , 28, 513-530	1.6	20