Giacomo Savini

List of Publications by Year in Descending Order

196 papers	5,492 citations	44 h-index	66 g-index
205 ext. papers	6,489 ext. citations	3.7 avg, IF	6 L-index

#	Paper	IF	Citations
196	Update on Intraocular Lens Power Calculation Study Protocols: The Better Way to Design and Report Clinical Trials. *Ophthalmology*, **2021**, 128, e115-e120	7.3	28
195	Comparison of a New Optical Biometer That Combines Scheimpflug Imaging With Partial Coherence Interferometry With That of an Optical Biometer Based on Swept-Source Optical Coherence Tomography and Placido-Disk Topography.. *Frontiers in Medicine*, **2021**, 8, 814519	4.9	1
194	Comparison of Corneal Power Calculation by Standard Keratometry and Total Keratometry in Eyes With Previous Myopic FS-LASIK.. *Journal of Refractive Surgery*, **2021**, 37, 848-852	3.3	0
193	Comparison of an upgraded optical biometer with 2 validated optical biometers. *Journal of Cataract and Refractive Surgery*, **2021**, 47, 859-864	2.3	3
192	Comparison of intraocular lens power formulas according to axial length after myopic corneal laser refractive surgery. *Journal of Cataract and Refractive Surgery*, **2021**, 47, 297-303	2.3	3
191	Accuracy of IOL Power Calculation Using the New Carlevale Sutureless Scleral Fixation Posterior Chamber IOL. *Journal of Refractive Surgery*, **2021**, 37, 472-476	3.3	0
190	Comparison of 13 formulas for IOL power calculation with measurements from partial coherence interferometry. *British Journal of Ophthalmology*, **2021**, 105, 484-489	5.5	12
189	Repeatability of total Keratometry and standard Keratometry by the IOLMaster 700 and comparison to total corneal astigmatism by Scheimpflug imaging. *Eye*, **2021**, 35, 307-315	4.4	6
188	Repeatability of automated measurements by a new anterior segment optical coherence tomographer and biometer and agreement with standard devices. *Scientific Reports*, **2021**, 11, 983	4.9	14
187	Accuracy of New Intraocular Lens Power Calculation Formulas: A Lens Thickness Study. *Journal of Refractive Surgery*, **2021**, 37, 202-206	3.3	0
186	Reliability and agreement of the central and mid-peripheral corneal thickness measured by a new Scheimpflug based imaging. *Annals of Translational Medicine*, **2021**, 9, 1136	3.2	
185	Clinical Accuracy of 18 IOL Power Formulas in 241 Short Eyes. *Current Eye Research*, **2021**, 1-12	2.9	2
184	Reply. *Ophthalmology*, **2021**, 128, e37	7.3	
183	The Precision of a New Anterior Segment Optical Coherence Tomographer and Its Comparison With a Swept-Source OCT-Based Optical Biometer in Patients With Cataract. *Journal of Refractive Surgery*, **2021**, 37, 616-622	3.3	0
182	Outcomes of IOL power calculation using measurements by a rotating Scheimpflug camera combined with partial coherence interferometry. *Journal of Cataract and Refractive Surgery*, **2020**, 46, 1618-1623	2.3	6
181	Recent developments in intraocular lens power calculation methods-update 2020. *Annals of Translational Medicine*, **2020**, 8, 1553	3.2	15
180	Repeatability and agreement of corneal thickness measurements by three methods of pachymetry in small incision lenticule extraction eyes. *Expert Review of Medical Devices*, **2020**, 17, 1323-1332	3.5	0

179	The precision and agreement of corneal thickness and keratometry measurements with SS-OCT versus Scheimpflug imaging. *Eye and Vision (London, England)*, **2020**, 7, 32	4.9	3
178	Reliability of a New Swept-Source Optical Coherence Tomography Biometer in Healthy Children, Adults, and Cataract Patients. *Journal of Ophthalmology*, **2020**, 2020, 8946364	2	5
177	Calcium mishandling in absence of primary mitochondrial dysfunction drives cellular pathology in Wolfram Syndrome. *Scientific Reports*, **2020**, 10, 4785	4.9	16
176	Effect of orthokeratology on precision and agreement assessment of a new swept-source optical coherence tomography biometer. *Eye and Vision (London, England)*, **2020**, 7, 13	4.9	6
175	A Comparative Study of Total Corneal Power Using a Ray Tracing Method Obtained from 3 Different Scheimpflug Camera Devices. *American Journal of Ophthalmology*, **2020**, 216, 90-98	4.9	3
174	Agreement Between Two Optical Biometers Based on Large Coherence Length SS-OCT and Scheimpflug Imaging/Partial Coherence Interferometry. *Journal of Refractive Surgery*, **2020**, 36, 459-465	3.3	2
173	Comparison of formula accuracy for intraocular lens power calculation based on measurements by a swept-source optical coherence tomography optical biometer. *Journal of Cataract and Refractive Surgery*, **2020**, 46, 27-33	2.3	21
172	Repeatability of anterior segment measurements by optical coherence tomography combined with Placido disk corneal topography in eyes with keratoconus. *Scientific Reports*, **2020**, 10, 1124	4.9	13
171	Results of the Barrett True-K formula for IOL power calculation based on Scheimpflug camera measurements in eyes with previous myopic excimer laser surgery. *Journal of Cataract and Refractive Surgery*, **2020**, 46, 1016-1019	2.3	8
170	Rotational stability and refractive outcomes of a single-piece aspheric toric intraocular lens with 4 fenestrated haptics. *Journal of Cataract and Refractive Surgery*, **2019**, 45, 1275-1279	2.3	2
169	Intraocular lens power calculation in eyes with keratoconus. *Journal of Cataract and Refractive Surgery*, **2019**, 45, 576-581	2.3	27
168	Comparison of anterior segment measurements obtained using a swept-source optical coherence tomography biometer and a Scheimpflug-Placido tomographer. *Journal of Cataract and Refractive Surgery*, **2019**, 45, 298-304	2.3	20
167	Accuracy of thick-lens intraocular lens power calculation based on cutting-card or calculated data for lens architecture. *Journal of Cataract and Refractive Surgery*, **2019**, 45, 1422-1429	2.3	10
166	Validation of the SToP formula for calculating intraocular lens power in eyes with previous myopic excimer laser surgery. *Journal of Cataract and Refractive Surgery*, **2019**, 45, 1562-1567	2.3	6
165	Repeatability and reproducibility of optical biometry implemented in a new optical coherence tomographer and comparison with a optical low-coherence reflectometer. *Journal of Cataract and Refractive Surgery*, **2019**, 45, 1619-1624	2.3	8
164	Precision and Normative Values of a New Computerized Chart for Contrast Sensitivity Testing. *Scientific Reports*, **2019**, 9, 16537	4.9	1
163	Functional assessment of a new extended depth-of-focus intraocular lens. *Eye*, **2019**, 33, 404-410	4.4	25
162	Precision of a new ocular biometer in children and comparison with IOLMaster. *Scientific Reports*, **2018**, 8, 1304	4.9	5

161	Age-related changes in with-the-rule and oblique corneal astigmatism. *Acta Ophthalmologica*, **2018**, 96, 600-606	3.7	15
160	Repeatability of automatic measurements by a new anterior segment optical coherence tomographer combined with Placido topography and agreement with 2 Scheimpflug cameras. *Journal of Cataract and Refractive Surgery*, **2018**, 44, 471-478	2.3	38
159	Intraocular lens power calculation using a Placido disk-Scheimpflug tomographer in eyes that had previous myopic corneal excimer laser surgery. *Journal of Cataract and Refractive Surgery*, **2018**, 44, 935-941	2.3	13
158	Intraocular lens power calculation in eyes with previous corneal refractive surgery. *Eye and Vision (London, England)*, **2018**, 5, 18	4.9	46
157	Customized Toric Intraocular Lens Implantation in Eyes with Cataract and Corneal Astigmatism after Deep Anterior Lamellar Keratoplasty: A Prospective Study. *Journal of Ophthalmology*, **2018**, 2018, 1649576	2	3
156	Assessment of Corneal Keratometric and Astigmatism Measurements Using Verion System and Other Instruments in Cataract Patient. *Current Eye Research*, **2018**, 43, 1205-1214	2.9	2
155	Visual Performance of a New Extended Depth-of-Focus Intraocular Lens Compared to a Distance-Dominant Diffractive Multifocal Intraocular Lens. *Journal of Refractive Surgery*, **2018**, 34, 228-235	3.3	55
154	Agreement between lens thickness measurements by ultrasound immersion biometry and optical biometry. *Journal of Cataract and Refractive Surgery*, **2018**, 44, 1463-1468	2.3	15
153	Refractive outcomes of intraocular lens power calculation using different corneal power measurements with a new optical biometer. *Journal of Cataract and Refractive Surgery*, **2018**, 44, 701-708	2.3	19
152	Repeatability and interobserver reproducibility of a new optical biometer based on swept-source optical coherence tomography and comparison with IOLMaster. *British Journal of Ophthalmology*, **2017**, 101, 493-498	5.5	50
151	Meta-analysis of optical low-coherence reflectometry versus partial coherence interferometry biometry. *Scientific Reports*, **2017**, 7, 43414	4.9	13
150	Estimating Total Corneal Astigmatism From Anterior Corneal Data. *Cornea*, **2017**, 36, 828-833	3.1	7
149	Total Corneal Astigmatism Measurements: Agreement Between 2 Rotating Scheimpflug Cameras. *Cornea*, **2017**, 36, 463-469	3.1	12
148	Effect of Gender and Race on Ocular Biometry. *International Ophthalmology Clinics*, **2017**, 57, 137-142	1.7	18
147	Optical coherence tomography angiography of the peripapillary retina and optic nerve head in dominant optic atrophy. *Mitochondrion*, **2017**, 36, 60-65	4.9	18
146	Precision of a new ocular biometer in eyes with cataract using swept source optical coherence tomography combined with Placido-disk corneal topography. *Scientific Reports*, **2017**, 7, 13736	4.9	16
145	Optimized keratometry and total corneal astigmatism for toric intraocular lens calculation. *Journal of Cataract and Refractive Surgery*, **2017**, 43, 1140-1148	2.3	26
144	Clinical Results of the Hoffer H-5 Formula in 2707 Eyes: First 5th-generation Formula Based on Gender and Race. *International Ophthalmology Clinics*, **2017**, 57, 213-219	1.7	7

143	Corneal Asphericity and IOL Power Calculation in Eyes With Aspherical IOLs. *Journal of Refractive Surgery*, **2017**, 33, 476-481	3.3	4
142	Optical coherence tomography angiography in acute arteritic and non-arteritic anterior ischemic optic neuropathy. *Graefes Archive for Clinical and Experimental Ophthalmology*, **2017**, 255, 2255-2261	3.8	36
141	Re: Goto et al.: Prediction of postoperative intraocular lens position with angle-to-angle depth using anterior segment optical coherence tomography (Ophthalmology. 2016;123:2474-2480). *Ophthalmology*, **2017**, 124, e53-e54	7.3	1
140	Comparison of ocular biometric measurements between a new swept-source optical coherence tomography and a common optical low coherence reflectometry. *Scientific Reports*, **2017**, 7, 2484	4.9	16
139	Simulated Keratometry Versus Total Corneal Power by Ray Tracing: A Comparison in Prediction Accuracy of Intraocular Lens Power. *Cornea*, **2017**, 36, 1368-1372	3.1	23
138	IOL Power Calculation in Short and Long Eyes. *Asia-Pacific Journal of Ophthalmology*, **2017**, 6, 330-331	3.5	21
137	Accuracy of optical biometry combined with Placido disc corneal topography for intraocular lens power calculation. *PLoS ONE*, **2017**, 12, e0172634	3.7	14
136	Repeatability, Reproducibility, and Agreement of Two Scheimpflug-Placido Anterior Corneal Analyzers for Posterior Corneal Surface Measurement. *Journal of Refractive Surgery*, **2017**, 33, 524-530	3.3	11
135	Accuracy of a New Swept-Source Optical Coherence Tomography Biometer for IOL Power Calculation and Comparison to IOLMaster. *Journal of Refractive Surgery*, **2017**, 33, 690-695	3.3	23
134	Comparison of a new optical biometer using swept-source optical coherence tomography and a biometer using optical low-coherence reflectometry. *Journal of Cataract and Refractive Surgery*, **2016**, 42, 1165-72	2.3	52
133	Corneal asphericity and intraocular lens power after myopic laser in situ keratomileusis. *Journal of Cataract and Refractive Surgery*, **2016**, 42, 1543	2.3	
132	Changes in Choroidal Thickness follow the RNFL Changes in Leber's Hereditary Optic Neuropathy. *Scientific Reports*, **2016**, 6, 37332	4.9	22
131	Influence of Posterior Corneal Astigmatism on Total Corneal Astigmatism in Eyes With Keratoconus. *Cornea*, **2016**, 35, 1427-1433	3.1	9
130	Influence of the effective lens position, as predicted by axial length and keratometry, on the near add power of multifocal intraocular lenses. *Journal of Cataract and Refractive Surgery*, **2016**, 42, 44-9	2.3	20
129	Re: Pilat et al.: High-resolution imaging of the optic nerve and retina in optic nerve hypoplasia (Ophthalmology 2015;122:1330-9). *Ophthalmology*, **2016**, 123, e19-20	7.3	1
128	Multicenter study of optical low-coherence interferometry and partial-coherence interferometry optical biometers with patients from the United States and China. *Journal of Cataract and Refractive Surgery*, **2016**, 42, 62-7	2.3	24
127	Corneal powers measured with a rotating Scheimpflug camera. *British Journal of Ophthalmology*, **2016**, 100, 1196-200	5.5	16
126	Objective Monitoring of Corneal Backward Light Scattering After Femtosecond Laser-assisted LASIK. *Journal of Refractive Surgery*, **2016**, 32, 20-5	3.3	15

125	Agreement Between Predicted and Measured Ablation Depth After Femtosecond Laser-Assisted LASIK for Myopia. *Journal of Refractive Surgery*, **2016**, 32, 164-70	3.3	5
124	Estimating the Preoperative Corneal Power With Scheimpflug Imaging in Eyes That Have Undergone Myopic LASIK. *Journal of Refractive Surgery*, **2016**, 32, 332-6	3.3	7
123	Comparison of AL-Scan and IOLMaster 500 Partial Coherence Interferometry Optical Biometers. *Journal of Refractive Surgery*, **2016**, 32, 694-698	3.3	10
122	Comparison between a New Optical Biometry Device and an Anterior Segment Optical Coherence Tomographer for Measuring Central Corneal Thickness and Anterior Chamber Depth. *Journal of Ophthalmology*, **2016**, 2016, 6347236	2	2
121	Hemorrhagic Occlusive Retinal Vasculitis After First Eye Cataract Surgery Without Subsequent Second Eye Involvement. *Ophthalmic Surgery Lasers and Imaging Retina*, **2016**, 47, 764-6	1.4	7
120	Macular nerve fibre and ganglion cell layer changes in acute Leber's hereditary optic neuropathy. *British Journal of Ophthalmology*, **2016**, 100, 1232-7	5.5	52
119	Fixation Stability and Refractive Error After Cataract Surgery in High Myopic Eyes. *American Journal of Ophthalmology*, **2016**, 171, 153-154	4.9	
118	Hereditary Optic Neuropathies **2016**, 185-203		
117	Measurement agreement between a new biometer based on partial coherence interferometry and a validated biometer based on optical low-coherence reflectometry. *Journal of Cataract and Refractive Surgery*, **2016**, 42, 68-75	2.3	6
116	An analysis of the factors influencing the residual refractive astigmatism after cataract surgery with toric intraocular lenses. *Investigative Ophthalmology and Visual Science*, **2015**, 56, 827-35		83
115	Intraocular lens power in myopic eyes. *Journal of Cataract and Refractive Surgery*, **2015**, 41, 1340-1	2.3	2
114	Accuracy of the Refractive Prediction Determined by Multiple Currently Available Intraocular Lens Power Calculation Formulas in Small Eyes. *American Journal of Ophthalmology*, **2015**, 160, 202-3	4.9	0
113	Vector analysis after toric intraocular lens implantation to correct astigmatism. *Journal of Cataract and Refractive Surgery*, **2015**, 41, 1339	2.3	
112	Influence of corneal asphericity on the refractive outcome of intraocular lens implantation in cataract surgery. *Journal of Cataract and Refractive Surgery*, **2015**, 41, 785-9	2.3	30
111	Measurement of central corneal thickness with optical low-coherence reflectometry and ultrasound pachymetry in normal and post-femtosecond laser in situ keratomileusis eyes. *Cornea*, **2015**, 34, 204-8	3.1	4
110	Comparison of keratometry and white-to-white measurements obtained by Lenstar with those obtained by autokeratometry and corneal topography. *Contact Lens and Anterior Eye*, **2015**, 38, 363-7	4.1	6
109	Reply: To PMID 26117311. *American Journal of Ophthalmology*, **2015**, 160, 1086-7	4.9	7
108	Reply: To PMID 25840302. *Journal of Cataract and Refractive Surgery*, **2015**, 41, 1554-5	2.3	

107	Anterior chamber depth studies. *Journal of Cataract and Refractive Surgery*, **2015**, 41, 1898-904	2.3	12
106	Intraocular lens power calculation after myopic excimer laser surgery: Selecting the best method using available clinical data. *Journal of Cataract and Refractive Surgery*, **2015**, 41, 1880-8	2.3	26
105	Anterior chamber depth measurements using Scheimpflug imaging and optical coherence tomography: repeatability, reproducibility, and agreement. *Journal of Cataract and Refractive Surgery*, **2015**, 41, 178-85	2.3	36
104	Reply: To PMID 25840302. *Journal of Cataract and Refractive Surgery*, **2015**, 41, 1798	2.3	
103	Corneal Power Measurement Obtained by Fourier-Domain Optical Coherence Tomography: Repeatability, Reproducibility, and Comparison With Scheimpflug and Automated Keratometry Measurements. *Cornea*, **2015**, 34, 1266-71	3.1	17
102	Author Response: Total Corneal Astigmatism Measurement Precision **2015**, 56, 5913		
101	The Repeatability Assessment of Three-Dimensional Capsule-Intraocular Lens Complex Measurements by Means of High-Speed Swept-Source Optical Coherence Tomography. *PLoS ONE*, **2015**, 10, e0142556	3.7	10
100	Efficacy and Acceptability of Orthokeratology for Slowing Myopic Progression in Children: A Systematic Review and Meta-Analysis. *Journal of Ophthalmology*, **2015**, 2015, 360806	2	42
99	Evaluation of Central Corneal Thickness Using Corneal Dynamic Scheimpflug Analyzer Corvis ST and Comparison with Pentacam Rotating Scheimpflug System and Ultrasound Pachymetry in Normal Eyes. *Journal of Ophthalmology*, **2015**, 2015, 767012	2	10
98	Precision of corneal thickness measurements obtained using the scheimpflug-placido imaging and agreement with ultrasound pachymetry. *Journal of Ophthalmology*, **2015**, 2015, 328798	2	3
97	Repeatability and reproducibility of ocular biometry using a new noncontact optical low-coherence interferometer. *Journal of Cataract and Refractive Surgery*, **2015**, 41, 2233-41	2.3	25
96	Refractive outcomes of femtosecond laser-assisted cataract surgery. *Journal of Cataract and Refractive Surgery*, **2015**, 41, 2341	2.3	
95	Precision and agreement of corneal power measurements obtained using a new corneal topographer OphthaTOP. *PLoS ONE*, **2015**, 10, e109414	3.7	6
94	Macular Microcysts in Mitochondrial Optic Neuropathies: Prevalence and Retinal Layer Thickness Measurements. *PLoS ONE*, **2015**, 10, e0127906	3.7	19
93	Comparison of refractive stability after non-toric versus toric intraocular lens implantation during cataract surgery. *American Journal of Ophthalmology*, **2014**, 157, 918-9	4.9	1
92	Intraocular lens power calculation by ray-tracing after myopic excimer laser surgery. *American Journal of Ophthalmology*, **2014**, 157, 150-153.e1	4.9	47
91	Influence of posterior corneal astigmatism on total corneal astigmatism in eyes with moderate to high astigmatism. *Journal of Cataract and Refractive Surgery*, **2014**, 40, 1645-53	2.3	59
90	Influence of intraocular lens haptic design on refractive error. *Journal of Cataract and Refractive Surgery*, **2014**, 40, 1473-8	2.3	26

89	Evaluation of a new optical biometry device for measurements of ocular components and its comparison with IOLMaster. *British Journal of Ophthalmology*, **2014**, 98, 1277-81	5.5	46
88	Early macular retinal ganglion cell loss in dominant optic atrophy: genotype-phenotype correlation. *American Journal of Ophthalmology*, **2014**, 158, 628-36.e3	4.9	45
87	Corneal ray tracing versus simulated keratometry for estimating corneal power changes after excimer laser surgery. *Journal of Cataract and Refractive Surgery*, **2014**, 40, 1109-15	2.3	24
86	Comparison of Anterior Segment Measurements with Scheimpflug/Placido Photography-Based Topography System and IOLMaster Partial Coherence Interferometry in Patients with Cataracts. *Journal of Ophthalmology*, **2014**, 2014, 540760	2	10
85	Laser-assisted subepithelial keratectomy versus epipolis laser in situ keratomileusis for myopia: a meta-analysis of clinical outcomes. *Clinical and Experimental Ophthalmology*, **2014**, 42, 323-33	2.4	5
84	Comparison and evaluation of central corneal thickness using 2 new noncontact specular microscopes and conventional pachymetry devices. *Cornea*, **2014**, 33, 576-81	3.1	30
83	Retinal nerve fiber layer thickness changes in Parkinson disease: a meta-analysis. *PLoS ONE*, **2014**, 9, e85718	3.7	101
82	Central and midperipheral corneal thickness measured with Scheimpflug imaging and optical coherence tomography. *PLoS ONE*, **2014**, 9, e98316	3.7	14
81	Loss of temporal retinal nerve fibers in Parkinson disease: a mitochondrial pattern?. *European Journal of Neurology*, **2013**, 20, 198-201	6	76
80	Evaluation of corneal thickness using a Scheimpflug-Placido disk corneal analyzer and comparison with ultrasound pachymetry in eyes after laser in situ keratomileusis. *Journal of Cataract and Refractive Surgery*, **2013**, 39, 1074-80	2.3	16
79	Comparison of methods to measure corneal power for intraocular lens power calculation using a rotating Scheimpflug camera. *Journal of Cataract and Refractive Surgery*, **2013**, 39, 598-604	2.3	54
78	Intraocular lens power calculation with the Scheimpflug camera after refractive surgery. *Journal of Cataract and Refractive Surgery*, **2013**, 39, 1280	2.3	1
77	Scheimpflug analysis of corneal power changes after myopic excimer laser surgery. *Journal of Cataract and Refractive Surgery*, **2013**, 39, 605-10	2.3	42
76	A Comparison between Scheimpflug imaging and optical coherence tomography in measuring corneal thickness. *Ophthalmology*, **2013**, 120, 1951-8	7.3	77
75	Diagnosis of primary open-angle glaucoma. *JAMA - Journal of the American Medical Association*, **2013**, 310, 1074	27.4	
74	Repeatability, reproducibility, and agreement of corneal power measurements obtained with a new corneal topographer. *Journal of Cataract and Refractive Surgery*, **2013**, 39, 1561-9	2.3	31
73	Precision of a new Scheimpflug and Placido-disk analyzer in measuring corneal thickness and agreement with ultrasound pachymetry. *Journal of Cataract and Refractive Surgery*, **2013**, 39, 219-24	2.3	25
72	Surgical management of malignant glaucoma with white cataract in nanophthalmos. *Journal of Cataract and Refractive Surgery*, **2013**, 39, 1774-7	2.3	7

71	Author reply: To PMID 22892148. *Ophthalmology*, **2013**, 120, e57	7.3	
70	Influence of axial length and corneal power on the astigmatic power of toric intraocular lenses. *Journal of Cataract and Refractive Surgery*, **2013**, 39, 1900-3	2.3	23
69	Microcystic macular degeneration from optic neuropathy: not inflammatory, not trans-synaptic degeneration. *Brain*, **2013**, 136, e239	11.2	65
68	Comparison of optic nerve head parameter measurements obtained by time-domain and spectral-domain optical coherence tomography. *Journal of Glaucoma*, **2013**, 22, 384-9	2.1	15
67	Retinal function and neural conduction along the visual pathways in affected and unaffected carriers with Leber hereditary optic neuropathy **2013**, 54, 6893-901		31
66	Idebenone treatment in patients with OPA1-mutant dominant optic atrophy. *Brain*, **2013**, 136, e231	11.2	53
65	Anterior chamber and aqueous depth measurement in pseudophakic eyes: agreement between ultrasound biometry and scheimpflug imaging. *Journal of Refractive Surgery*, **2013**, 29, 121-5	3.3	8
64	A new slant on toric intraocular lens power calculation. *Journal of Refractive Surgery*, **2013**, 29, 348-54	3.3	16
63	Choroidal thickness measurements. *Ophthalmology*, **2012**, 119, 1286; author reply 1286-7	7.3	
62	Comparison of intraocular pressure measurement using 4 different instruments following penetrating keratoplasty. *American Journal of Ophthalmology*, **2012**, 153, 580; author reply 580-1	4.9	
61	Evaluation of the nerve fiber layer and macula in the eyes of healthy children using spectral-domain optical coherence tomography. *American Journal of Ophthalmology*, **2012**, 153, 774; author reply 774-5	4.9	
60	Accuracy of corneal power measurements by a new Scheimpflug camera combined with Placido-disk corneal topography for intraocular lens power calculation in unoperated eyes. *Journal of Cataract and Refractive Surgery*, **2012**, 38, 787-92	2.3	30
59	Use of a support vector machine for keratoconus and subclinical keratoconus detection by topographic and tomographic data. *Ophthalmology*, **2012**, 119, 2231-8	7.3	151
58	Scheimpflug camera measurement of anterior and posterior corneal curvature in eyes with previous radial keratotomy. *Journal of Refractive Surgery*, **2012**, 28, 275-9	3.3	17
57	A comprehensive assessment of the precision and agreement of anterior corneal power measurements obtained using 8 different devices. *PLoS ONE*, **2012**, 7, e45607	3.7	64
56	Retinal nerve fiber layer thickness variability in Leber hereditary optic neuropathy carriers. *European Journal of Ophthalmology*, **2012**, 22, 985-91	1.9	28
55	Retinal nerve fiber layer thickness measurements in rats with spectral domain-optical coherence tomography **2012**, 53, 749-50		3
54	Toric intraocular lens calculations. *JAMA Ophthalmology*, **2012**, 130, 947-8; author reply 948-9		2

53	The influence of axial length on retinal nerve fibre layer thickness and optic-disc size measurements by spectral-domain OCT. *British Journal of Ophthalmology*, **2012**, 96, 57-61	5.5	138
52	Repeatability of automatic measurements performed by a dual Scheimpflug analyzer in unoperated and post-refractive surgery eyes. *Journal of Cataract and Refractive Surgery*, **2011**, 37, 302-9	2.3	81
51	Accuracy of a dual Scheimpflug analyzer and a corneal topography system for intraocular lens power calculation in unoperated eyes. *Journal of Cataract and Refractive Surgery*, **2011**, 37, 72-6	2.3	31
50	Comparison of anterior segment measurements by 3 Scheimpflug tomographers and 1 Placido corneal topographer. *Journal of Cataract and Refractive Surgery*, **2011**, 37, 1679-85	2.3	69
49	Repeatability of automatic measurements by a new Scheimpflug camera combined with Placido topography. *Journal of Cataract and Refractive Surgery*, **2011**, 37, 1809-16	2.3	120
48	Retinal nerve fiber layer thickness in dominant optic atrophy measurements by optical coherence tomography and correlation with age. *Ophthalmology*, **2011**, 118, 2076-80	7.3	60
47	IOL power after excimer laser surgery. *Ophthalmology*, **2011**, 118, 1691-2	7.3	
46	Spectral-domain optical coherence tomography for the diagnosis and follow-up of glaucoma. *Current Opinion in Ophthalmology*, **2011**, 22, 115-23	5.1	52
45	Optical coherence tomography for optic disc edema. *JAMA Ophthalmology*, **2011**, 129, 1245-6; author reply 1246-7		6
44	Cataract surgery in posterior polymorphous corneal dystrophy. *British Journal of Ophthalmology*, **2011**, 95, 433-4	5.5	
43	Repeatability of optic nerve head parameters measured by spectral-domain OCT in healthy eyes. *Ophthalmic Surgery Lasers and Imaging Retina*, **2011**, 42, 209-15	1.4	22
42	Effect of pupil dilation on retinal nerve fibre layer thickness measurements and their repeatability with Cirrus HD-OCT. *Eye*, **2010**, 24, 1503-8	4.4	19
41	Clinical relevance of radius of curvature error in corneal power measurements after excimer laser surgery. *Journal of Cataract and Refractive Surgery*, **2010**, 36, 82-6	2.3	14
40	Comparison of 2 laser instruments for measuring axial length. *Journal of Cataract and Refractive Surgery*, **2010**, 36, 644-8	2.3	87
39	Intraocular lens power calculation after myopic excimer laser surgery: clinical comparison of published methods. *Journal of Cataract and Refractive Surgery*, **2010**, 36, 1455-65	2.3	39
38	Natural history of Leber's hereditary optic neuropathy: longitudinal analysis of the retinal nerve fiber layer by optical coherence tomography. *Ophthalmology*, **2010**, 117, 623-7	7.3	148
37	OPA1 mutations associated with dominant optic atrophy influence optic nerve head size. *Ophthalmology*, **2010**, 117, 1547-53	7.3	51
36	Retinal nerve fiber layer thickness measurement by Fourier-domain optical coherence tomography: a comparison between cirrus-HD OCT and RTVue in healthy eyes. *Journal of Glaucoma*, **2010**, 19, 369-72	2.1	32

35	Anterior chamber depth measurement in pseudophakic eyes: a comparison of Pentacam and ultrasound. *Journal of Refractive Surgery*, **2010**, 26, 341-7	3.3	16
34	Pentacam equivalent K-reading. *Journal of Refractive Surgery*, **2010**, 26, 388-9; author reply 389-91	3.3	5
33	Visual system involvement in patients with Friedreich's ataxia. *Brain*, **2009**, 132, 116-23	11.2	117
32	Association of optic disc size with development and prognosis of Leber's hereditary optic neuropathy **2009**, 50, 1666-74		63
31	Agreement between optical coherence tomography and digital stereophotography in vertical cup-to-disc ratio measurement. *Graefe's Archive for Clinical and Experimental Ophthalmology*, **2009**, 247, 377-83	3.8	7
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29	Diffractive intraocular lens power after myopic laser in situ keratomileusis. *Journal of Cataract and Refractive Surgery*, **2009**, 35, 796-7; author reply 797	2.3	2
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