

Naoyuki Maeda

List of Publications by Year in descending order

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88
papers

3,458
citations

186209

28
h-index

175177

52
g-index

91
all docs

91
docs citations

91
times ranked

1625
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of Methods for Detecting Keratoconus Using Videokeratography. JAMA Ophthalmology, 1995, 113, 870.	2.6	217
2	Wavefront aberrations measured with Hartmann-Shack sensor in patients with keratoconus. Ophthalmology, 2002, 109, 1996-2003.	2.5	205
3	Effect of tear film break-up on higher-order aberrations measured with wavefront sensor. American Journal of Ophthalmology, 2002, 134, 115-117.	1.7	171
4	Higher order wavefront aberrations of cornea and magnitude of refractive correction in laser in situ keratomileusis. Ophthalmology, 2002, 109, 1154-1158.	2.5	163
5	Wavefront analysis in eyes with nuclear or cortical cataract. American Journal of Ophthalmology, 2002, 134, 1-9.	1.7	134
6	Serial Measurements of Higher-Order Aberrations after Blinking in Patients with Dry Eye. , 2008, 49, 133.		129
7	Changes of ocular aberration with accommodation. American Journal of Ophthalmology, 2002, 134, 924-926.	1.7	112
8	National Survey on Bullous Keratopathy in Japan. Cornea, 2007, 26, 274-278.	0.9	110
9	Magnitude and Orientation of Zernike Terms in Patients with Keratoconus. , 2007, 48, 3062.		105
10	Age-related changes in ocular and corneal aberrations. American Journal of Ophthalmology, 2004, 138, 143-146.	1.7	101
11	Wavefront analysis of higher-order aberrations in patients with cataract. Journal of Cataract and Refractive Surgery, 2002, 28, 438-444.	0.7	92
12	Higher-Order Aberrations Due to the Posterior Corneal Surface in Patients with Keratoconus. , 2009, 50, 2660.		92
13	Serial Measurements of Higher-Order Aberrations after Blinking in Normal Subjects. , 2006, 47, 3318.		80
14	Disparity Between Keratometry-Style Readings and Corneal Power Within the Pupil After Refractive Surgery for Myopia. Cornea, 1997, 16, 517-524.	0.9	70
15	Effects of Suppression of Blinking on Quality of Vision in Borderline Cases of Evaporative Dry Eye. Cornea, 2008, 27, 275-278.	0.9	70
16	Corneal topographic analysis in patients with keratoconus using 3-dimensional anterior segment optical coherence tomography. Journal of Cataract and Refractive Surgery, 2011, 37, 1871-1878.	0.7	69
17	Light scattering and optical aberrations as objective parameters to predict visual deterioration in eyes with cataracts. Journal of Cataract and Refractive Surgery, 2004, 30, 1198-1208.	0.7	67
18	Clinical applications of wavefront aberrometry – a review. Clinical and Experimental Ophthalmology, 2009, 37, 118-129.	1.3	66

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19	Optical Coherence Tomography for Corneal Diseases. <i>Eye and Contact Lens</i> , 2010, 36, 254-259.	0.8	66
20	Relationship between Corneal Guttatae and Quality of Vision in Patients with Mild Fuchs' Endothelial Corneal Dystrophy. <i>Ophthalmology</i> , 2015, 122, 2103-2109.	2.5	64
21	Diagnosing dry eye using a blue-free barrier filter. <i>American Journal of Ophthalmology</i> , 2003, 136, 513-519.	1.7	59
22	Effect of Aging on Ocular Light Scatter and Higher Order Aberrations. <i>Journal of Refractive Surgery</i> , 2002, 18, .	1.1	57
23	Detection and Classification of Mild Irregular Astigmatism in Patients With Good Visual Acuity. <i>Survey of Ophthalmology</i> , 1998, 43, 53-58.	1.7	56
24	Apparent accommodation and corneal wavefront aberration in pseudophakic eyes. <i>Investigative Ophthalmology and Visual Science</i> , 2002, 43, 2882-6.	3.3	49
25	Characteristic Higher-Order Aberrations of the Anterior and Posterior Corneal Surfaces in 3 Corneal Transplantation Techniques. <i>American Journal of Ophthalmology</i> , 2012, 153, 284-290.e1.	1.7	44
26	Factors Associated With Corneal Deformation Responses Measured With a Dynamic Scheimpflug Analyzer. , 2017, 58, 538.		44
27	Ultrahigh-resolution imaging of human donor cornea using full-field optical coherence tomography. <i>Journal of Biomedical Optics</i> , 2007, 12, 041202.	1.4	41
28	Predictability of Intraocular Lens Power Calculation for Cataract with Keratoconus: A Multicenter Study. <i>Scientific Reports</i> , 2018, 8, 1312.	1.6	37
29	Wavefront technology in ophthalmology. <i>Current Opinion in Ophthalmology</i> , 2001, 12, 294-299.	1.3	35
30	International values of corneal elevation in normal subjects by rotating Scheimpflug camera. <i>Journal of Cataract and Refractive Surgery</i> , 2011, 37, 1817-1821.	0.7	34
31	Quantitative Regional Differences in Corneal Endothelial Abnormalities in the Central and Peripheral Zones in Fuchs' Endothelial Corneal Dystrophy. , 2014, 55, 5090.		34
32	Prediction of letter contrast sensitivity using videokeratographic indices. <i>American Journal of Ophthalmology</i> , 2000, 129, 759-763.	1.7	30
33	Standardized color-coded scales for anterior and posterior elevation maps of scanning slit corneal topography. <i>Ophthalmology</i> , 2002, 109, 1298-1302.	2.5	30
34	Characteristics of ocular higher-order aberrations in patients with pellucid marginal corneal degeneration. <i>Journal of Cataract and Refractive Surgery</i> , 2008, 34, 1928-1934.	0.7	30
35	Correlation Between Corneal Biomechanical Indices and the Severity of Keratoconus. <i>Cornea</i> , 2020, 39, 215-221.	0.9	30
36	Prediction of Postoperative Intraocular Lens Position with Angle-to-Angle Depth Using Anterior Segment Optical Coherence Tomography. <i>Ophthalmology</i> , 2016, 123, 2474-2480.	2.5	29

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37	Comparison of ocular higher-order aberrations and visual performance between photorefractive keratectomy and laser in situ keratomileusis for myopia. <i>Seminars in Ophthalmology</i> , 2003, 18, 29-34.	0.8	28
38	Paradoxical increase of visual impairment with punctal occlusion in a patient with mild dry eye. <i>Journal of Cataract and Refractive Surgery</i> , 2006, 32, 689-691.	0.7	27
39	Tear Film Break-up Time Evaluated by Real-Time Hartmann-Shack Wavefront Sensing. <i>Japanese Journal of Ophthalmology</i> , 2006, 50, 85-89.	0.9	26
40	Wavefront analysis in eyes with accommodative spasm. <i>American Journal of Ophthalmology</i> , 2003, 136, 1161-1163.	1.7	25
41	Automated Keratoconus Detection Using Height Data of Anterior and Posterior Corneal Surfaces. <i>Japanese Journal of Ophthalmology</i> , 2006, 50, 409-416.	0.9	25
42	Effect of Internal Lubricating Agents of Disposable Soft Contact Lenses on Higher-Order Aberrations After Blinking. <i>Eye and Contact Lens</i> , 2008, 34, 100-105.	0.8	25
43	Comparison of topographic indices that correlate with visual acuity in videokeratography11The authors have no financial or proprietary interest in any devices described in this study.. <i>Ophthalmology</i> , 2000, 107, 559-564.	2.5	23
44	Intensity Analysis of Hartmann-Shack Images in Cataractous, Keratoconic, and Normal Eyes to Investigate Light Scattering. <i>Japanese Journal of Ophthalmology</i> , 2006, 50, 323-333.	0.9	23
45	Wavefront analysis of an eye with monocular triplopia and nuclear cataract. <i>American Journal of Ophthalmology</i> , 2004, 137, 361-363.	1.7	21
46	Using a reference point and videokeratography for intraoperative identification of astigmatism axis. <i>Journal of Cataract and Refractive Surgery</i> , 1997, 23, 1491-1495.	0.7	20
47	Corneal biomechanical properties in 3 corneal transplantation techniques with a dynamic Scheimpflug analyzer. <i>Japanese Journal of Ophthalmology</i> , 2014, 58, 483-489.	0.9	20
48	Characteristics of higher-order aberrations and anterior segment tomography in patients with pathologic myopia. <i>International Ophthalmology</i> , 2017, 37, 1279-1288.	0.6	19
49	Corneal backward scattering and higher-order aberrations in children with vernal keratoconjunctivitis and normal topography. <i>Acta Ophthalmologica</i> , 2018, 96, e327-e333.	0.6	17
50	Corneal Topography for Intraocular Lens Selection in Refractive Cataract Surgery. <i>Ophthalmology</i> , 2020, 128, e142-e152.	2.5	17
51	Characteristics of corneal topographic and pachymetric patterns in patients with pellucid marginal corneal degeneration. <i>Japanese Journal of Ophthalmology</i> , 2014, 58, 131-138.	0.9	16
52	Wavefront Analysis of Eye With Monocular Diplopia and Cortical Cataract. <i>American Journal of Ophthalmology</i> , 2006, 141, 1138-1140.e1.	1.7	15
53	Visual Performance and Optical Quality of Standardized Asymmetric Soft Contact Lenses in Patients With Keratoconus. , 2017, 58, 2899.		15
54	Effect of aging on ocular light scatter and higher order aberrations. <i>Journal of Refractive Surgery</i> , 2002, 18, S598-602.	1.1	15

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55	Optical Quality of the Eye Degraded by Time-Varying Wavefront Aberrations with Tear Film Dynamics. Japanese Journal of Ophthalmology, 2007, 51, 258-264.	0.9	14
56	Higher-Order Aberrations of Anterior and Posterior Corneal Surfaces in Patients With Keratectasia After LASIK. , 2014, 55, 3905.		14
57	National survey of pellucid marginal corneal degeneration in Japan. Japanese Journal of Ophthalmology, 2016, 60, 341-348.	0.9	14
58	Measurement repeatability of the dynamic Scheimpflug analyzer. Japanese Journal of Ophthalmology, 2017, 61, 433-440.	0.9	14
59	Fourier Analysis of Corneal Irregular Astigmatism Due to the Anterior Corneal Surface in Dry Eye. Eye and Contact Lens, 2019, 45, 188-194.	0.8	14
60	Adaptive optics fundus camera using a liquid crystal phase modulator. Optical Review, 2008, 15, 173-180.	1.2	12
61	Corneal Topographic Analysis by 3-Dimensional Anterior Segment Optical Coherence Tomography after Endothelial Keratoplasty. , 2012, 53, 3286.		12
62	Topographic assessment of irregular astigmatism after photorefractive keratectomy. Journal of Cataract and Refractive Surgery, 1998, 24, 1079-1086.	0.7	11
63	Classification of Secondary Corneal Amyloidosis and Involvement of Lactoferrin. Ophthalmology, 2013, 120, 1166-1172.	2.5	11
64	Effects of cataract surgery on symptoms and findings of dry eye in subjects with and without preexisting dry eye. Japanese Journal of Ophthalmology, 2020, 64, 429-436.	0.9	11
65	Evaluation of corneal epithelial and stromal thickness in keratoconus using spectral-domain optical coherence tomography. Japanese Journal of Ophthalmology, 2014, 58, 389-395.	0.9	10
66	New severity grading system for Fuchs endothelial corneal dystrophy using anterior segment optical coherence tomography. Acta Ophthalmologica, 2021, 99, e914-e921.	0.6	10
67	Evaluation of Optical Quality of Corneas Using Corneal Topographers. Cornea, 2002, 21, S75-S78.	0.9	9
68	Corneal Topographic Analysis of Patients With Mooren Ulcer Using 3-Dimensional Anterior Segment Optical Coherence Tomography. Cornea, 2015, 34, 54-59.	0.9	9
69	New Graft Insertion Device for Descemet Stripping Automated Endothelial Keratoplasty. Cornea, 2017, 36, 1432-1436.	0.9	9
70	Four discriminant models for detecting keratoconus pattern using Zernike coefficients of corneal aberrations. Japanese Journal of Ophthalmology, 2013, 57, 503-509.	0.9	8
71	Evaluation of corneal biomechanics in patients with keratectasia following LASIK using dynamic Scheimpflug analyzer. Japanese Journal of Ophthalmology, 2018, 62, 443-450.	0.9	8
72	Effects of Reference Axes Used During Measurements of Ocular and Corneal Higher-Order Aberrations in Patients Following LASIK. Japanese Journal of Ophthalmology, 2006, 50, 318-322.	0.9	7

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73	Clinical evaluation of a newly developed graft inserter (NS Endo-Inserter) for Descemet stripping automated endothelial keratoplasty. <i>Clinical Ophthalmology</i> , 2019, Volume 13, 43-48.	0.9	7
74	Assessment of Corneal Optical Quality for Premium IOLs with Pentacam. <i>Highlights of Ophthalmology</i> , 2011, 39, 16-20.	0.0	7
75	Corneal tomographic changes during corneal rigid gas-permeable contact lens wear in keratoconic eyes. <i>British Journal of Ophthalmology</i> , 2022, 106, 197-202.	2.1	6
76	Comparison of composite and segmental methods for acquiring optical axial length with swept-source optical coherence tomography. <i>Scientific Reports</i> , 2020, 10, 4474.	1.6	6
77	Fourier Analysis on Regular and Irregular Astigmatism of Anterior and Posterior Corneal Surfaces in Fuchs Endothelial Corneal Dystrophy. <i>American Journal of Ophthalmology</i> , 2021, 223, 33-41.	1.7	6
78	Characteristics of Higher-Order Aberrations in Different Stages of Keratoconus. <i>Eye and Contact Lens</i> , 2022, 48, 256-260.	0.8	6
79	Factors Limiting the Visual Outcome After Descemet Stripping Automated Endothelial Keratoplasty: Comprehensive Analysis Including the Graft Position and Irregularity. <i>Cornea</i> , 2018, 37, 20-27.	0.9	4
80	Transient changes in refractive error and corneal tomography after 24-h continuous monitoring of intraocular pressure patterns with a contact lens sensor. <i>Japanese Journal of Ophthalmology</i> , 2020, 64, 127-133.	0.9	4
81	Optimizing correction of coma aberration in keratoconus with a novel soft contact lens. <i>Contact Lens and Anterior Eye</i> , 2021, 44, 101405.	0.8	4
82	Optical Quality in Keratoconus Is Associated With Corneal Biomechanics. <i>Cornea</i> , 2020, Publish Ahead of Print, 1276-1281.	0.9	4
83	NS Endo-Inserter: A New Graft Inserter for Descemet Stripping Automated Endothelial Keratoplasty. <i>Cornea</i> , 2019, 38, S42-S44.	0.9	2
84	Screening Cataract Surgery Candidates with Corneal Topographer. , 2014, , 25-33.		2
85	Outcomes of photorefractive keratectomy instead of phototherapeutic keratectomy for patients with granular corneal dystrophy type 2. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2016, 254, 1999-2004.	1.0	1
86	Efficacy of Toric Intraocular Lens and Prevention of Axis Misalignment by Optic Capture in Pediatric Cataract Surgery. <i>Journal of Cataract and Refractive Surgery</i> , 2021, Publish Ahead of Print, 1417-1422.	0.7	1
87	Reply. <i>Ophthalmology</i> , 2017, 124, e54.	2.5	0
88	Reply: Efficacy of toric intraocular lens and prevention of axis misalignment by optic capture in pediatric cataract surgery. <i>Journal of Cataract and Refractive Surgery</i> , 2021, 47, 1108-1108.	0.7	0