

Fan Lu Od

List of Publications by Year in descending order

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Version: 2024-02-01

130
papers

3,526
citations

218677

26
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233421

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all docs

136
docs citations

136
times ranked

4242
citing authors

#	ARTICLE	IF	CITATIONS
1	The power of genetic diversity in genome-wide association studies of lipids. <i>Nature</i> , 2021, 600, 675-679.	27.8	353
2	Genetic signatures of high-altitude adaptation in Tibetans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 4189-4194.	7.1	181
3	Retinal Microvasculature Alteration in High Myopia. , 2016, 57, 6020.		125
4	Oxidative Stress Markers Induced by Hyperosmolarity in Primary Human Corneal Epithelial Cells. <i>PLoS ONE</i> , 2015, 10, e0126561.	2.5	102
5	Blueberry Component Pterostilbene Protects Corneal Epithelial Cells from Inflammation via Anti-oxidative Pathway. <i>Scientific Reports</i> , 2016, 6, 19408.	3.3	89
6	Retinal Microvascular Impairment in the Early Stages of Parkinson's Disease. , 2018, 59, 4115.		86
7	Axial myopia induced by a monocularly-deprived facemask in guinea pigs: A non-invasive and effective model. <i>Experimental Eye Research</i> , 2006, 82, 628-636.	2.6	84
8	Macular Vascular Fractal Dimension in the Deep Capillary Layer as an Early Indicator of Microvascular Loss for Retinopathy in Type 2 Diabetic Patients. , 2017, 58, 3785.		84
9	Central Corneal Thickness and Corneal Hysteresis During Corneal Swelling Induced by Contact Lens Wear With Eye Closure. <i>American Journal of Ophthalmology</i> , 2007, 143, 616-622.e2.	3.3	83
10	SLC7A14 linked to autosomal recessive retinitis pigmentosa. <i>Nature Communications</i> , 2014, 5, 3517.	12.8	82
11	COVID-19 Quarantine Reveals That Behavioral Changes Have an Effect on Myopia Progression. <i>Ophthalmology</i> , 2021, 128, 1652-1654.	5.2	82
12	Ultrahigh-Resolution Measurement by Optical Coherence Tomography of Dynamic Tear Film Changes on Contact Lenses. , 2010, 51, 1988.		81
13	Interactions of chromatic and lens-induced defocus during visual control of eye growth in guinea pigs (<i>Cavia porcellus</i>). <i>Vision Research</i> , 2014, 94, 24-32.	1.4	65
14	Macular Thickness Profiles of Intraretinal Layers in Myopia Evaluated by Ultrahigh-Resolution Optical Coherence Tomography. <i>American Journal of Ophthalmology</i> , 2015, 160, 53-61.e2.	3.3	65
15	Monochromatic Wavefront Aberrations in the Human Eye with Contact Lenses. <i>Optometry and Vision Science</i> , 2003, 80, 135-141.	1.2	64
16	Axial myopia induced by hyperopic defocus in guinea pigs: A detailed assessment on susceptibility and recovery. <i>Experimental Eye Research</i> , 2009, 89, 101-108.	2.6	58
17	Acoustic Radiation Force Optical Coherence Elastography of Corneal Tissue. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2016, 22, 288-294.	2.9	58
18	One-year myopia control efficacy of spectacle lenses with aspherical lenslets. <i>British Journal of Ophthalmology</i> , 2021, , bjophthalmol-2020-318367.	3.9	52

#	ARTICLE	IF	CITATIONS
19	Deep Retinal Capillary Plexus Decreasing Correlated With the Outer Retinal Layer Alteration and Visual Acuity Impairment in Pathological Myopia. , 2020, 61, 45.		49
20	Effects of Dopaminergic Agents on Progression of Naturally Occurring Myopia in Albino Guinea Pigs (<i>Cavia porcellus</i>). , 2014, 55, 7508.		48
21	Repeatability and Reproducibility of Eight Macular Intra-Retinal Layer Thicknesses Determined by an Automated Segmentation Algorithm Using Two SD-OCT Instruments. PLoS ONE, 2014, 9, e87996.	2.5	48
22	Diurnal Variation of Ocular Hysteresis, Corneal Thickness, and Intraocular Pressure. Optometry and Vision Science, 2008, 85, 1185-1192.	1.2	47
23	Altered Macular Microvasculature in Neuromyelitis Optica Spectrum Disorders. American Journal of Ophthalmology, 2018, 192, 47-55.	3.3	47
24	'RetinoGenetics': a comprehensive mutation database for genes related to inherited retinal degeneration. Database: the Journal of Biological Databases and Curation, 2014, 2014, bau047-bau047.	3.0	46
25	Quantitative proteomics identifies brain acid soluble protein 1 (BASP1) as a prognostic biomarker candidate in pancreatic cancer tissue. EBioMedicine, 2019, 43, 282-294.	6.1	43
26	Characteristics of Retinal Structural and Microvascular Alterations in Early Type 2 Diabetic Patients. , 2018, 59, 2110.		38
27	Visual Acuity in Pathological Myopia Is Correlated With the Photoreceptor Myoid and Ellipsoid Zone Thickness and Affected by Choroid Thickness. , 2019, 60, 1714.		38
28	Inner Retinal Microvasculature Damage Correlates With Outer Retinal Disruption During Remission in Behçet's Posterior Uveitis by Optical Coherence Tomography Angiography. , 2018, 59, 1295.		37
29	Advances in retina imaging as potential biomarkers for early diagnosis of Alzheimer's disease. Translational Neurodegeneration, 2021, 10, 6.	8.0	36
30	Micropthalmia-associated transcription factor regulates the visual cycle genes Rlbp1 and Rdh5 in the retinal pigment epithelium. Scientific Reports, 2016, 6, 21208.	3.3	34
31	Characteristic of entire corneal topography and tomography for the detection of sub-clinical keratoconus with Zernike polynomials using Pentacam. Scientific Reports, 2017, 7, 16486.	3.3	34
32	Inverse Occlusion: A Binocularly Motivated Treatment for Amblyopia. Neural Plasticity, 2019, 2019, 1-12.	2.2	34
33	Machine learning helps improve diagnostic ability of subclinical keratoconus using Scheimpflug and OCT imaging modalities. Eye and Vision (London, England), 2020, 7, 48.	3.0	34
34	IL-27 signaling deficiency develops Th17-enhanced Th2-dominant inflammation in murine allergic conjunctivitis model. Allergy: European Journal of Allergy and Clinical Immunology, 2019, 74, 910-921.	5.7	33
35	Deep perifoveal vessel density as an indicator of capillary loss in high myopia. Eye, 2019, 33, 1961-1968.	2.1	31
36	Pollen/TLR4 Innate Immunity Signaling Initiates IL-33/ST2/Th2 Pathways in Allergic Inflammation. Scientific Reports, 2016, 6, 36150.	3.3	30

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37	Prioritizing natural-selection signals from the deep-sequencing genomic data suggests multi-variant adaptation in Tibetan highlanders. <i>National Science Review</i> , 2019, 6, 1201-1222.	9.5	30
38	Effect of Community Screening on the Demographic Makeup and Clinical Severity of Glaucoma Patients Receiving Care in Urban China. <i>American Journal of Ophthalmology</i> , 2018, 195, 1-7.	3.3	29
39	In-vivo 3D corneal elasticity using air-coupled ultrasound optical coherence elastography. <i>Biomedical Optics Express</i> , 2019, 10, 6272.	2.9	29
40	Relationships among retinal/choroidal thickness, retinal microvascular network and visual field in high myopia. <i>Acta Ophthalmologica</i> , 2020, 98, e709-e714.	1.1	27
41	Value of corneal epithelial and Bowman's layer vertical thickness profiles generated by UHR-OCT for sub-clinical keratoconus diagnosis. <i>Scientific Reports</i> , 2016, 6, 31550.	3.3	26
42	In vivo imaging of retinal hemodynamics with OCT angiography and Doppler OCT. <i>Biomedical Optics Express</i> , 2016, 7, 663.	2.9	25
43	Identification for Differential Localization of Putative Corneal Epithelial Stem Cells in Mouse and Human. <i>Scientific Reports</i> , 2017, 7, 5169.	3.3	25
44	Design, methodology, and baseline of whole city-million scale children and adolescents myopia survey (CAMS) in Wenzhou, China. <i>Eye and Vision (London, England)</i> , 2021, 8, 31.	3.0	25
45	Expanding the Phenotypic and Genotypic Landscape of Nonsyndromic High Myopia: A Cross-Sectional Study in 731 Chinese Patients. , 2019, 60, 4052.		24
46	Reduced macular inner retinal thickness and microvascular density in the early stage of patients with dysthyroid optic neuropathy. <i>Eye and Vision (London, England)</i> , 2020, 7, 16.	3.0	24
47	Ultra-high resolution profiles of macular intra-retinal layer thicknesses and associations with visual field defects in primary open angle glaucoma. <i>Scientific Reports</i> , 2017, 7, 41100.	3.3	23
48	Photoreceptor Degeneration is Correlated With the Deterioration of Macular Retinal Sensitivity in High Myopia. , 2019, 60, 2800.		23
49	In vivo microvascular network imaging of the human retina combined with an automatic three-dimensional segmentation method. <i>Journal of Biomedical Optics</i> , 2015, 20, 1.	2.6	22
50	Posner-Schlossman syndrome in Wenzhou, China: a retrospective review study. <i>British Journal of Ophthalmology</i> , 2017, 101, 1638-1642.	3.9	22
51	Reduced Retinal Microvascular Density Related to Activity Status and Serum Antibodies in Patients with Graves' Ophthalmopathy. <i>Current Eye Research</i> , 2020, 45, 576-584.	1.5	22
52	Cytotoxicity and genotoxicity of multi-walled carbon nanotubes with human ocular cells. <i>Science Bulletin</i> , 2013, 58, 2347-2352.	1.7	21
53	Age-Related Changes in the Anterior Segment Biometry During Accommodation. , 2015, 56, 3522.		20
54	Macular Inner Retinal Layer Thickening and Outer Retinal Layer Damage Correlate With Visual Acuity During Remission in Behcet's Disease. , 2016, 57, 5470.		20

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55	Accommodation is unrelated to myopia progression in Chinese myopic children. <i>Scientific Reports</i> , 2020, 10, 12056.	3.3	20
56	Reliability of Pentacam HR Thickness Maps of the Entire Cornea in Normal, Post-LASIK, Keratomileusis, and Keratoconus Eyes. <i>American Journal of Ophthalmology</i> , 2016, 162, 74-82.e1.	3.3	19
57	On the compensation of horizontal coma aberrations in young human eyes. <i>Ophthalmic and Physiological Optics</i> , 2008, 28, 277-282.	2.0	18
58	The effect of nerve growth factor on corneal nerve regeneration and dry eye after LASIK. <i>Experimental Eye Research</i> , 2021, 203, 108428.	2.6	18
59	The Spatial Distribution of Relative Corneal Refractive Power Shift and Axial Growth in Myopic Children: Orthokeratology Versus Multifocal Contact Lens. <i>Frontiers in Neuroscience</i> , 2021, 15, 686932.	2.8	17
60	Interocular Suppression as Revealed by Dichoptic Masking Is Orientation-Dependent and Imbalanced in Amblyopia. , 2020, 61, 28.		17
61	The Binocular Balance at High Spatial Frequencies as Revealed by the Binocular Orientation Combination Task. <i>Frontiers in Human Neuroscience</i> , 2019, 13, 106.	2.0	16
62	Assessment of corneal viscoelasticity using elastic wave optical coherence elastography. <i>Journal of Biophotonics</i> , 2020, 13, e201960074.	2.3	16
63	Unique changes in the retinal microvasculature reveal subclinical retinal impairment in patients with systemic lupus erythematosus. <i>Microvascular Research</i> , 2020, 129, 103957.	2.5	16
64	Evaluation of Reliability and Validity of Three Common Dry Eye Questionnaires in Chinese. <i>Journal of Ophthalmology</i> , 2018, 2018, 1-6.	1.3	15
65	Associated risk factors in the early stage of diabetic retinopathy. <i>Eye and Vision (London, England)</i> , 2019, 6, 23.	3.0	15
66	In vivo noninvasive measurement of spatially resolved corneal elasticity in human eyes using Lamb wave optical coherence elastography. <i>Journal of Biophotonics</i> , 2020, 13, e202000104.	2.3	14
67	Absolute Not Relative Interocular Luminance Modulates Sensory Eye Dominance Plasticity in Adults. <i>Neuroscience</i> , 2017, 367, 127-133.	2.3	13
68	Slc7a14 Is Indispensable in Zebrafish Retinas. <i>Frontiers in Cell and Developmental Biology</i> , 2019, 7, 333.	3.7	13
69	A potential link between bacterial pathogens and allergic conjunctivitis by dendritic cells. <i>Experimental Eye Research</i> , 2014, 120, 118-126.	2.6	12
70	Retinal Structural and Microvascular Alterations in Different Acute Ischemic Stroke Subtypes. <i>Journal of Ophthalmology</i> , 2020, 2020, 1-10.	1.3	12
71	Instant Adhesion of Amyloid-like Nanofilms with Wet Surfaces. <i>ACS Central Science</i> , 2022, 8, 705-717.	11.3	12
72	On the Relationship Between Sensory Eye Dominance and Stereopsis in the Normal-Sighted Adult Population: Normative Data. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 357.	2.0	11

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73	Relationship Between Cone Loss and Microvasculature Change in Retinitis Pigmentosa. , 2019, 60, 4520.		11
74	Retinal sublayer defect is independently associated with the severity of hypertensive white matter hyperintensity. Brain and Behavior, 2020, 10, e01521.	2.2	11
75	Choroidal thickness and choriocapillaris vascular density in myopic anisometropia. Eye and Vision (London, England), 2021, 8, 48.	3.0	11
76	Biometry of Anterior Segment of Human Eye on Both Horizontal and Vertical Meridians during Accommodation Imaged with Extended Scan Depth Optical Coherence Tomography. PLoS ONE, 2014, 9, e104775.	2.5	10
77	Short ragweed pollen promotes M2 macrophage polarization via TSLP/TSLPR/OX40L signaling in allergic inflammation. Mucosal Immunology, 2019, 12, 1141-1149.	6.0	10
78	Preparation and characterization of a pterostilbene-peptide prodrug nanomedicine for the management of dry eye. International Journal of Pharmaceutics, 2020, 588, 119683.	5.2	10
79	In vivo non-contact measurement of human iris elasticity by optical coherence elastography. Journal of Biophotonics, 2021, 14, e202100116.	2.3	10
80	Feasibility of Two-Dimensional Gel Electrophoresis Used for Proteomic Analysis of Human Scleral Fibroblasts. Current Eye Research, 2007, 32, 319-329.	1.5	9
81	Sustained accuracy improvement in intraocular lens power calculation with the application of quality control circle. Scientific Reports, 2017, 7, 14852.	3.3	9
82	Whole-exome sequencing identified <i>ARL2</i> as a novel candidate gene for MRCS (microcornea,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.6	9
83	Temporal Characteristics of Visual Processing in Amblyopia. Frontiers in Neuroscience, 2021, 15, 673491.	2.8	9
84	Cytotoxicity of Single-Walled Carbon Nanotubes with Human Ocular Cells. Advanced Materials Research, 0, 287-290, 32-36.	0.3	8
85	Consecutive drilling combined with phaco chop for full thickness segmentation of very hard nucleus in coaxial microincisional cataract surgery. BMC Ophthalmology, 2019, 19, 20.	1.4	8
86	Visual quality of juvenile myopes wearing multifocal soft contact lenses. Eye and Vision (London,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	3.0	8
87	Progression of Macular Vessel Density in Primary Open-Angle Glaucoma: A Longitudinal Study. American Journal of Ophthalmology, 2021, 223, 259-266.	3.3	8
88	Contrast Sensitivity Is Associated With Chorioretinal Thickness and Vascular Density of Eyes in Simple Early-Stage High Myopia. Frontiers in Medicine, 2022, 9, 847817.	2.6	8
89	Intraocular asymmetry of visual field defects in primary angle-closure glaucoma, high-tension glaucoma, and normal-tension glaucoma in a Chinese population. Scientific Reports, 2021, 11, 11674.	3.3	7
90	Low Serum Vitamin D Is Not Correlated With Myopia in Chinese Children and Adolescents. Frontiers in Medicine, 2022, 9, 809787.	2.6	7

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91	Decreased Vessel Density in Retinal Capillary Plexus and Thinner Ganglion Cell Complex Associated With Cognitive Impairment. <i>Frontiers in Aging Neuroscience</i> , 2022, 14, 872466.	3.4	7
92	KeratoScreen: Early Keratoconus Classification With Zernike Polynomial Using Deep Learning. <i>Cornea</i> , 2022, 41, 1158-1165.	1.7	7
93	Depletion of miR-96 Delays, But Does Not Arrest, Photoreceptor Development in Mice. , 2022, 63, 24.		7
94	Interocular Difference of Peripheral Refraction in Anisomyopic Eyes of Schoolchildren. <i>PLoS ONE</i> , 2016, 11, e0149110.	2.5	6
95	Microphthalmia-associated transcription factor regulates skin melanoblast migration by repressing the melanoma cell adhesion molecule. <i>Experimental Dermatology</i> , 2016, 25, 74-76.	2.9	6
96	The transcription factor TBX2 regulates melanogenesis in melanocytes by repressing Oca2. <i>Molecular and Cellular Biochemistry</i> , 2016, 415, 103-109.	3.1	6
97	Elucidation of the more myopic eye in anisometropia: the interplay of laterality, ocular dominance, and anisometric magnitude. <i>Scientific Reports</i> , 2019, 9, 9598.	3.3	6
98	Comparison of small incision lenticule extraction and transepithelial photorefractive keratectomy in terms of visual quality in myopia patients. <i>Acta Ophthalmologica</i> , 2021, 99, e1289-e1296.	1.1	6
99	The Jidong Eye Cohort Study: objectives, design, and baseline characteristics. <i>Eye and Vision (London, England)</i> , 2021, 6, 1-10.	3.0	6
100	Association of cigarette smoking with retinal capillary plexus: an optical coherence tomography angiography study. <i>Acta Ophthalmologica</i> , 2022, 100, .	1.1	6
101	Evaluation of Dry Eye After Refractive Surgery According to Preoperative Meibomian Gland Status. <i>Frontiers in Medicine</i> , 2022, 9, 833984.	2.6	6
102	Axial elongation measured by long scan depth optical coherence tomography during pilocarpine-induced accommodation in intraocular lens-implanted eyes. <i>Scientific Reports</i> , 2018, 8, 1981.	3.3	5
103	Thickness changes in the corneal epithelium and Bowman's layer after overnight wear of silicone hydrogel contact lenses. <i>BMC Ophthalmology</i> , 2018, 18, 286.	1.4	5
104	Long scan depth optical coherence tomography on imaging accommodation: impact of enhanced axial resolution, signal-to-noise ratio and speed. <i>Eye and Vision (London, England)</i> , 2018, 5, 16.	3.0	5
105	Design and baseline data of a population-based metabonomics study of eye diseases in eastern China: the Yueqing Ocular Diseases Investigation. <i>Eye and Vision (London, England)</i> , 2020, 7, 8.	3.0	5
106	Effect of Femtosecond Laser in Situ Keratomileusis on the Choriocapillaris Perfusion and Choroidal Thickness in Myopic Patients. <i>Current Eye Research</i> , 2021, 46, 878-884.	1.5	5
107	Foveal pit morphological changes in asymptomatic carriers of the G11778A mutation with Leber's hereditary optic neuropathy. <i>International Journal of Ophthalmology</i> , 2020, 13, 766-772.	1.1	5
108	The Role of Different Tear Volume Detection Methods in the Evaluation and Diagnosis of Mild Dry Eye Disease. <i>Translational Vision Science and Technology</i> , 2022, 11, 15.	2.2	5

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109	Characterization of Soft Contact Lens Fitting Using Ultra-Long Scan Depth Optical Coherence Tomography. <i>Journal of Ophthalmology</i> , 2017, 2017, 1-13.	1.3	4
110	Associations between optic disc characteristics and macular choroidal microvasculature in young patients with high myopia. <i>Clinical and Experimental Ophthalmology</i> , 2021, 49, 560-569.	2.6	4
111	Diurnal variation of corneal elasticity in healthy young human using air-puff optical coherence elastography. <i>Journal of Biophotonics</i> , 2021, 14, e202000440.	2.3	4
112	Reduced Radial Peripapillary Capillary in Pathological Myopia Is Correlated With Visual Acuity. <i>Frontiers in Neuroscience</i> , 2022, 16, 818530.	2.8	4
113	Author Response: Human Accommodative Ciliary Muscle Configuration Changes Are Consistent With Schachar's Mechanism of Accommodation. , 2015, 56, 6076.		3
114	The Impact of Flap Creation Methods for Sub-Bowman's Keratomileusis (SBK) on the Central Thickness of Bowman's Layer. <i>PLoS ONE</i> , 2015, 10, e0124996.	2.5	3
115	Short-Term Deprivation Does Not Influence Monocular or Dichoptic Temporal Synchrony at Low Temporal Frequency. <i>Frontiers in Neuroscience</i> , 2020, 14, 402.	2.8	3
116	Association of Serum Uric Acid With Retinal Capillary Plexus. <i>Frontiers in Endocrinology</i> , 2022, 13, 855430.	3.5	3
117	Trends in Research Related to Ophthalmic OCT Imaging From 2011 to 2020: A Bibliometric Analysis. <i>Frontiers in Medicine</i> , 2022, 9, 820706.	2.6	3
118	ZERNIKE ASTIGMATISM AND VISUAL PERFORMANCE IN MYOPIC EYES BY RIGID GAS PERMEABLE CONTACT LENSES WEAR. <i>Journal of Innovative Optical Health Sciences</i> , 2012, 05, 1250013.	1.0	2
119	Inferior Quadrant of Tear Film Is More Likely to Break and Breaks Early in Patients With Dry Eyes. <i>Cornea</i> , 2019, 38, 624-631.	1.7	2
120	Visual acuity is correlated with ischemia and neurodegeneration in patients with early stages of diabetic retinopathy. <i>Eye and Vision (London, England)</i> , 2021, 8, 38.	3.0	2
121	Action Video Gaming Does Not Influence Short-Term Ocular Dominance Plasticity in Visually Normal Adults. <i>ENeuro</i> , 2020, 7, ENEURO.0006-20.2020.	1.9	2
122	The T-Box Transcription Factor TBX2 Regulates Cell Proliferation in the Retinal Pigment Epithelium. <i>Current Eye Research</i> , 2017, 42, 1537-1544.	1.5	1
123	Impact of Temporal Visual Flicker on Spatial Contrast Sensitivity in Myopia. <i>Frontiers in Neuroscience</i> , 2021, 15, 710344.	2.8	1
124	Computer Vision Syndrome among Internet Users. , 2012, , 782-798.		1
125	Prognostic value of genome-wide DNA methylation patterns in noncoding miRNAs and lncRNAs in uveal melanomas. <i>Aging</i> , 2019, 11, 6153-6174.	3.1	1
126	A Joint Lateral Motion's Stereo Constraint. , 2022, 63, 32.		1

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127	Effects of Medium-Term Soft Contact Lens Fitting on Dry Eye: Analyses Using Ultra-High Resolution Optical Coherence Tomography and Digital Slit-Lamp Biomicroscopy. <i>Disease Markers</i> , 2022, 2022, 1-14.	1.3	1
128	Identification of Peripheral Anterior Synechia by Corneal Deformation Using Air-Puff Dynamic Anterior Segment Optical Coherence Tomography. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, 856531.	4.1	1
129	Technical Report: A New Device Attached to a Smartphone for Objective Vision Screening. <i>Optometry and Vision Science</i> , 2021, 98, 18-23.	1.2	0
130	Noncontact Intraocular Pressure Measurement over Bandage Contact Lens and the Effect of Pentacam and Corvis STâ€™s IOP Correction System. <i>Journal of Ophthalmology</i> , 2022, 2022, 1-6.	1.3	0