Fan Lu Od

List of Publications by Year
in descending order

130 papers	3,526 citations	218677 26 h-index	233421 45 g-index
136 all docs	136 docs citations	136 times ranked	4242 citing authors

#	Article	IF	Citations
1	A Joint Lateral Motionâ€"Stereo Constraint. , 2022, 63, 32.		1
2	Low Serum Vitamin D Is Not Correlated With Myopia in Chinese Children and Adolescents. Frontiers in Medicine, 2022, 9, 809787.	2.6	7
3	The Role of Different Tear Volume Detection Methods in the Evaluation and Diagnosis of Mild Dry Eye Disease. Translational Vision Science and Technology, 2022, 11, 15.	2.2	5
4	Effects of Medium-Term Soft Contact Lens Fitting on Dry Eye: Analyses Using Ultra-High Resolution Optical Coherence Tomography and Digital Slit-Lamp Biomicroscopy. Disease Markers, 2022, 2022, 1-14.	1.3	1
5	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
6	Identification of Peripheral Anterior Synechia by Corneal Deformation Using Air-Puff Dynamic Anterior Segment Optical Coherence Tomography. Frontiers in Bioengineering and Biotechnology, 2022, 10, 856531.	4.1	1
7	Reduced Radial Peripapillary Capillary in Pathological Myopia Is Correlated With Visual Acuity. Frontiers in Neuroscience, 2022, 16, 818530.	2.8	4
8	Association of cigarette smoking with retinal capillary plexus: an optical coherence tomography angiography study. Acta Ophthalmologica, 2022, 100, .	1.1	6
9	Association of Serum Uric Acid With Retinal Capillary Plexus. Frontiers in Endocrinology, 2022, 13, 855430.	3.5	3
10	Trends in Research Related to Ophthalmic OCT Imaging From 2011 to 2020: A Bibliometric Analysis. Frontiers in Medicine, 2022, 9, 820706.	2.6	3
11	Decreased Vessel Density in Retinal Capillary Plexus and Thinner Ganglion Cell Complex Associated With Cognitive Impairment. Frontiers in Aging Neuroscience, 2022, 14, 872466.	3.4	7
12	Evaluation of Dry Eye After Refractive Surgery According to Preoperative Meibomian Gland Status. Frontiers in Medicine, 2022, 9, 833984.	2.6	6
13	KeratoScreen: Early Keratoconus Classification With Zernike Polynomial Using Deep Learning. Cornea, 2022, 41, 1158-1165.	1.7	7
14	Noncontact Intraocular Pressure Measurement over Bandage Contact Lens and the Effect of Pentacam and Corvis STâ€™s IOP Correction System. Journal of Ophthalmology, 2022, 2022, 1-6.	1.3	0
15	Depletion of miR-96 Delays, But Does Not Arrest, Photoreceptor Development in Mice. , 2022, 63, 24.		7
16	Instant Adhesion of Amyloid-like Nanofilms with Wet Surfaces. ACS Central Science, 2022, 8, 705-717.	11.3	12
17	Effect of Femtosecond Laser in Situ Keratomileusis on the Choriocapillaris Perfusion and Choroidal Thickness in Myopic Patients. Current Eye Research, 2021, 46, 878-884.	1.5	5
18	Progression of Macular Vessel Density in Primary Open-Angle Glaucoma: A Longitudinal Study. American Journal of Ophthalmology, 2021, 223, 259-266.	3.3	8

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19	Technical Report: A New Device Attached to a Smartphone for Objective Vision Screening. Optometry and Vision Science, 2021, 98, 18-23.	1.2	0
20	Advances in retina imaging as potential biomarkers for early diagnosis of Alzheimerâ€™s disease. Translational Neurodegeneration, 2021, 10, 6.	8.0	36
21	The effect of nerve growth factor on corneal nerve regeneration and dry eye after LASIK. Experimental Eye Research, 2021, 203, 108428.	2.6	18
22	COVID-19 Quarantine Reveals That Behavioral Changes Have an Effect on Myopia Progression. Ophthalmology, 2021, 128, 1652-1654.	5.2	82
23	One-year myopia control efficacy of spectacle lenses with aspherical lenslets. British Journal of Ophthalmology, 2021, , bjophthalmol-2020-318367.	3.9	52
24	Associations between optic disc characteristics and macular choroidal microvasculature in young patients with high myopia. Clinical and Experimental Ophthalmology, 2021, 49, 560-569.	2.6	4
25	Comparison of small incision lenticule extraction and transepithelial photorefractive keratectomy in terms of visual quality in myopia patients. Acta Ophthalmologica, 2021, 99, e1289-e1296.	1.1	6
26	Diurnal variation of corneal elasticity in healthy young human using airâ€puff optical coherence elastography. Journal of Biophotonics, 2021, 14, e202000440.	2.3	4
27	Temporal Characteristics of Visual Processing in Amblyopia. Frontiers in Neuroscience, 2021, 15, 673491.	2.8	9
28	The Spatial Distribution of Relative Corneal Refractive Power Shift and Axial Growth in Myopic Children: Orthokeratology Versus Multifocal Contact Lens. Frontiers in Neuroscience, 2021, 15, 686932.	2.8	17
29	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
30	In vivo nonâ€contact measurement of human iris elasticity by optical coherence elastography. Journal of Biophotonics, 2021, 14, e202100116.	2.3	10
31	Impact of Temporal Visual Flicker on Spatial Contrast Sensitivity in Myopia. Frontiers in Neuroscience, 2021, 15, 710344.	2.8	1
32	Design, methodology, and baseline of whole city-million scale children and adolescents myopia survey (CAMS) in Wenzhou, China. Eye and Vision (London, England), 2021, 8, 31.	3.0	25
33	Visual acuity is correlated with ischemia and neurodegeneration in patients with early stages of diabetic retinopathy. Eye and Vision (London, England), 2021, 8, 38.	3.0	2
34	Choroidal thickness and choriocapillaris vascular density in myopic anisometropia. Eye and Vision (London, England), 2021, 8, 48.	3.0	11
35	The power of genetic diversity in genome-wide association studies of lipids. Nature, 2021, 600, 675-679.	27.8	353
36	Reduced Retinal Microvascular Density Related to Activity Status and Serum Antibodies in Patients with Gravesâ€™ Ophthalmopathy. Current Eye Research, 2020, 45, 576-584.	1.5	22

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37	Assessment of corneal viscoelasticity using elastic wave optical coherence elastography. Journal of Biophotonics, 2020, 13, e201960074.	2.3	16
38	Retinal sublayer defect is independently associated with the severity of hypertensive white matter hyperintensity. Brain and Behavior, 2020, 10, e01521.	2.2	11
39	Unique changes in the retinal microvasculature reveal subclinical retinal impairment in patients with systemic lupus erythematosus. Microvascular Research, 2020, 129, 103957.	2.5	16
40	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
41	Visual quality of juvenile myopes wearing multifocal soft contact lenses. Eye and Vision (London,) Tj ETQq1 1 0.784314 rgBT /Overloc	3.0	8
42	Accommodation is unrelated to myopia progression in Chinese myopic children. Scientific Reports, 2020, 10, 12056.	3.3	20
43	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
44	Retinal Structural and Microvascular Alterations in Different Acute Ischemic Stroke Subtypes. Journal of Ophthalmology, 2020, 2020, 1-10.	1.3	12
45	In vivo noninvasive measurement of spatially resolved corneal elasticity in human eyes using Lamb wave optical coherence elastography. Journal of Biophotonics, 2020, 13, e202000104.	2.3	14
46	Short-Term Deprivation Does Not Influence Monocular or Dichoptic Temporal Synchrony at Low Temporal Frequency. Frontiers in Neuroscience, 2020, 14, 402.	2.8	3
47	Reduced macular inner retinal thickness and microvascular density in the early stage of patients with dysthyroid optic neuropathy. Eye and Vision (London, England), 2020, 7, 16.	3.0	24
48	Relationships among retinal/choroidal thickness, retinal microvascular network and visual field in high myopia. Acta Ophthalmologica, 2020, 98, e709-e714.	1.1	27
49	Design and baseline data of a population-based metabonomics study of eye diseases in eastern China: the Yueqing Ocular Diseases Investigation. Eye and Vision (London, England), 2020, 7, 8.	3.0	5
50	Deep Retinal Capillary Plexus Decreasing Correlated With the Outer Retinal Layer Alteration and Visual Acuity Impairment in Pathological Myopia. , 2020, 61, 45.		49
51	Interocular Suppression as Revealed by Dichoptic Masking Is Orientation-Dependent and Imbalanced in Amblyopia. , 2020, 61, 28.		17
52	Foveal pit morphological changes in asymptomatic carriers of the G11778A mutation with Leberâ€™s hereditary optic neuropathy. International Journal of Ophthalmology, 2020, 13, 766-772.	1.1	5
53	The Jidong Eye Cohort Study: objectives, design, and baseline characteristics. Eye and Vision (London,) Tj ETQq1 1 0.784314 rgBT /Ov	3.0	6
54	Action Video Gaming Does Not Influence Short-Term Ocular Dominance Plasticity in Visually Normal Adults. ENeuro, 2020, 7, ENEURO.0006-20.2020.	1.9	2

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55	Prioritizing natural-selection signals from the deep-sequencing genomic data suggests multi-variant adaptation in Tibetan highlanders. National Science Review, 2019, 6, 1201-1222.	9.5	30
56	Associated risk factors in the early stage of diabetic retinopathy. Eye and Vision (London, England), 2019, 6, 23.	3.0	15
57	Elucidation of the more myopic eye in anisometropia: the interplay of laterality, ocular dominance, and anisometropic magnitude. Scientific Reports, 2019, 9, 9598.	3.3	6
58	Short ragweed pollen promotes M2 macrophage polarization via TSLP/TSLPR/OX40L signaling in allergic inflammation. Mucosal Immunology, 2019, 12, 1141-1149.	6.0	10
59	Photoreceptor Degeneration is Correlated With the Deterioration of Macular Retinal Sensitivity in High Myopia. , 2019, 60, 2800.		23
60	Relationship Between Cone Loss and Microvasculature Change in Retinitis Pigmentosa. , 2019, 60, 4520.		11
61	Deep perifoveal vessel density as an indicator of capillary loss in high myopia. Eye, 2019, 33, 1961-1968.	2.1	31
62	Expanding the Phenotypic and Genotypic Landscape of Nonsyndromic High Myopia: A Cross-Sectional Study in 731 Chinese Patients. , 2019, 60, 4052.		24
63	The Binocular Balance at High Spatial Frequencies as Revealed by the Binocular Orientation Combination Task. Frontiers in Human Neuroscience, 2019, 13, 106.	2.0	16
64	Visual Acuity in Pathological Myopia Is Correlated With the Photoreceptor Myoid and Ellipsoid Zone Thickness and Affected by Choroid Thickness. , 2019, 60, 1714.		38
65	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
66	Inverse Occlusion: A Binocularly Motivated Treatment for Amblyopia. Neural Plasticity, 2019, 2019, 1-12.	2.2	34
67	Wholeâ€exome sequencing identified ARL2 as a novel candidate gene for MRCS (microcornea,) Tj ETQq1 1 0.784314 rgBT /Ov	2.0	9
68	Slc7a14 Is Indispensable in Zebrafish Retinas. Frontiers in Cell and Developmental Biology, 2019, 7, 333.	3.7	13
69	Inferior Quadrant of Tear Film Is More Likely to Break and Breaks Early in Patients With Dry Eyes. Cornea, 2019, 38, 624-631.	1.7	2
70	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
71	<scp>IL</scp>â€27 signaling deficiency develops Th17â€enhanced Th2â€dominant inflammation in murine allergic conjunctivitis model. Allergy: European Journal of Allergy and Clinical Immunology, 2019, 74, 910-921.	5.7	33
72	In-vivo 3D corneal elasticity using air-coupled ultrasound optical coherence elastography. Biomedical Optics Express, 2019, 10, 6272.	2.9	29

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73	Prognostic value of genome-wide DNA methylation patterns in noncoding miRNAs and lncRNAs in uveal melanomas. Aging, 2019, 11, 6153-6174.	3.1	1
74	Axial elongation measured by long scan depth optical coherence tomography during pilocarpine-induced accommodation in intraocular lens-implanted eyes. Scientific Reports, 2018, 8, 1981.	3.3	5
75	Thickness changes in the corneal epithelium and Bowmanâ€™s layer after overnight wear of silicone hydrogel contact lenses. BMC Ophthalmology, 2018, 18, 286.	1.4	5
76	On the Relationship Between Sensory Eye Dominance and Stereopsis in the Normal-Sighted Adult Population: Normative Data. Frontiers in Human Neuroscience, 2018, 12, 357.	2.0	11
77	Evaluation of Reliability and Validity of Three Common Dry Eye Questionnaires in Chinese. Journal of Ophthalmology, 2018, 2018, 1-6.	1.3	15
78	Effect of Community Screening on the Demographic Makeup and Clinical Severity of Glaucoma Patients Receiving Care in Urban China. American Journal of Ophthalmology, 2018, 195, 1-7.	3.3	29
79	Altered Macular Microvasculature in Neuromyelitis Optica Spectrum Disorders. American Journal of Ophthalmology, 2018, 192, 47-55.	3.3	47
80	Inner Retinal Microvasculature Damage Correlates With Outer Retinal Disruption During Remission in BehÃ§et's Posterior Uveitis by Optical Coherence Tomography Angiography. , 2018, 59, 1295.		37
81	Characteristics of Retinal Structural and Microvascular Alterations in Early Type 2 Diabetic Patients. , 2018, 59, 2110.		38
82	Retinal Microvascular Impairment in the Early Stages of Parkinson's Disease. , 2018, 59, 4115.		86
83	Long scan depth optical coherence tomography on imaging accommodation: impact of enhanced axial resolution, signal-to-noise ratio and speed. Eye and Vision (London, England), 2018, 5, 16.	3.0	5
84	Ultra-high resolution profiles of macular intra-retinal layer thicknesses and associations with visual field defects in primary open angle glaucoma. Scientific Reports, 2017, 7, 41100.	3.3	23
85	Posner-Schlossman syndrome in Wenzhou, China: a retrospective review study. British Journal of Ophthalmology, 2017, 101, 1638-1642.	3.9	22
86	Genetic signatures of high-altitude adaptation in Tibetans. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 4189-4194.	7.1	181
87	Absolute Not Relative Interocular Luminance Modulates Sensory Eye Dominance Plasticity in Adults. Neuroscience, 2017, 367, 127-133.	2.3	13
88	The T-Box Transcription Factor TBX2 Regulates Cell Proliferation in the Retinal Pigment Epithelium. Current Eye Research, 2017, 42, 1537-1544.	1.5	1
89	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
90	Sustained accuracy improvement in intraocular lens power calculation with the application of quality control circle. Scientific Reports, 2017, 7, 14852.	3.3	9

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91	Identification for Differential Localization of Putative Corneal Epithelial Stem Cells in Mouse and Human. Scientific Reports, 2017, 7, 5169.	3.3	25
92	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
93	Characterization of Soft Contact Lens Fitting Using Ultra-Long Scan Depth Optical Coherence Tomography. Journal of Ophthalmology, 2017, 2017, 1-13.	1.3	4
94	Macular Inner Retinal Layer Thickening and Outer Retinal Layer Damage Correlate With Visual Acuity During Remission in Behcet's Disease. , 2016, 57, 5470.		20
95	Retinal Microvasculature Alteration in High Myopia. , 2016, 57, 6020.		125
96	Interocular Difference of Peripheral Refraction in Anisomyopic Eyes of Schoolchildren. PLoS ONE, 2016, 11, e0149110.	2.5	6
97	Value of corneal epithelial and Bowmanâ€™s layer vertical thickness profiles generated by UHR-OCT for sub-clinical keratoconus diagnosis. Scientific Reports, 2016, 6, 31550.	3.3	26
98	Microphthalmia-associated transcription factor regulates the visual cycle genes Rlbp1 and Rdh5 in the retinal pigment epithelium. Scientific Reports, 2016, 6, 21208.	3.3	34
99	Blueberry Component Pterostilbene Protects Corneal Epithelial Cells from Inflammation via Anti-oxidative Pathway. Scientific Reports, 2016, 6, 19408.	3.3	89
100	Pollen/TLR4 Innate Immunity Signaling Initiates IL-33/ST2/Th2 Pathways in Allergic Inflammation. Scientific Reports, 2016, 6, 36150.	3.3	30
101	Acoustic Radiation Force Optical Coherence Elastography of Corneal Tissue. IEEE Journal of Selected Topics in Quantum Electronics, 2016, 22, 288-294.	2.9	58
102	Microphthalmiaâ€associated transcription factor regulates skin melanoblast migration by repressing the melanoma cell adhesion molecule. Experimental Dermatology, 2016, 25, 74-76.	2.9	6
103	In vivo imaging of retinal hemodynamics with OCT angiography and Doppler OCT. Biomedical Optics Express, 2016, 7, 663.	2.9	25
104	The transcription factor TBX2 regulates melanogenesis in melanocytes by repressing Oca2. Molecular and Cellular Biochemistry, 2016, 415, 103-109.	3.1	6
105	Reliability of Pentacam HR Thickness Maps of the Entire Cornea in Normal, Postâ€“Laser In Situ Keratomileusis, and Keratoconus Eyes. American Journal of Ophthalmology, 2016, 162, 74-82.e1.	3.3	19
106	Age-Related Changes in the Anterior Segment Biometry During Accommodation. , 2015, 56, 3522.		20
107	Author Response: Human Accommodative Ciliary Muscle Configuration Changes Are Consistent With Schachar's Mechanism of Accommodation. , 2015, 56, 6076.		3
108	The Impact of Flap Creation Methods for Sub-Bowmanâ€™s Keratomileusis (SBK) on the Central Thickness of Bowmanâ€™s Layer. PLoS ONE, 2015, 10, e0124996.	2.5	3

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109	Macular Thickness Profiles of Intraretinal Layers in Myopia Evaluated by Ultrahigh-Resolution Optical Coherence Tomography. American Journal of Ophthalmology, 2015, 160, 53-61.e2.	3.3	65
110	In vivo microvascular network imaging of the human retina combined with an automatic three-dimensional segmentation method. Journal of Biomedical Optics, 2015, 20, 1.	2.6	22
111	Oxidative Stress Markers Induced by Hyperosmolarity in Primary Human Corneal Epithelial Cells. PLoS ONE, 2015, 10, e0126561.	2.5	102
112	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
113	Effects of Dopaminergic Agents on Progression of Naturally Occurring Myopia in Albino Guinea Pigs (Cavia porcellus). , 2014, 55, 7508.		48
114	'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
115	Interactions of chromatic and lens-induced defocus during visual control of eye growth in guinea pigs (Cavia porcellus). Vision Research, 2014, 94, 24-32.	1.4	65
116	A potential link between bacterial pathogens and allergic conjunctivitis by dendritic cells. Experimental Eye Research, 2014, 120, 118-126.	2.6	12
117	SLC7A14 linked to autosomal recessive retinitis pigmentosa. Nature Communications, 2014, 5, 3517.	12.8	82
118	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
119	Cytotoxicity and genotoxicity of multi-walled carbon nanotubes with human ocular cells. Science Bulletin, 2013, 58, 2347-2352.	1.7	21
120	ZERNIKE ASTIGMATISM AND VISUAL PERFORMANCE IN MYOPIC EYES BY RIGID GAS PERMEABLE CONTACT LENSES WEAR. Journal of Innovative Optical Health Sciences, 2012, 05, 1250013.	1.0	2
121	Computer Vision Syndrome among Internet Users. , 2012, , 782-798.		1
122	Ultrahigh-Resolution Measurement by Optical Coherence Tomography of Dynamic Tear Film Changes on Contact Lenses. , 2010, 51, 1988.		81
123	Axial myopia induced by hyperopic defocus in guinea pigs: A detailed assessment on susceptibility and recovery. Experimental Eye Research, 2009, 89, 101-108.	2.6	58
124	On the compensation of horizontal coma aberrations in young human eyes. Ophthalmic and Physiological Optics, 2008, 28, 277-282.	2.0	18
125	Diurnal Variation of Ocular Hysteresis, Corneal Thickness, and Intraocular Pressure. Optometry and Vision Science, 2008, 85, 1185-1192.	1.2	47
126	Feasibility of Two-Dimensional Gel Electrophoresis Used for Proteomic Analysis of Human Scleral Fibroblasts. Current Eye Research, 2007, 32, 319-329.	1.5	9

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127	Central Corneal Thickness and Corneal Hysteresis During Corneal Swelling Induced by Contact Lens Wear With Eye Closure. American Journal of Ophthalmology, 2007, 143, 616-622.e2.	3.3	83
128	Axial myopia induced by a monocularly-deprived facemask in guinea pigs: A non-invasive and effective model. Experimental Eye Research, 2006, 82, 628-636.	2.6	84
129	Monochromatic Wavefront Aberrations in the Human Eye with Contact Lenses. Optometry and Vision Science, 2003, 80, 135-141.	1.2	64
130	Cytotoxicity of Single-Walled Carbon Nanotubes with Human Ocular Cells. Advanced Materials Research, 0, 287-290, 32-36.	0.3	8