Jia Qu

List of Publications by Year in descending order

171 papers	6,219 citations	117625 34 h-index	114465 63 g-index
187 all docs	187 docs citations	187 times ranked	8118 citing authors

#	Article	IF	Citations
1	Biometric factors and orthokeratology lens parameters can influence the treatment zone diameter on corneal topography in Corneal Refractive Therapy lens wearers. Contact Lens and Anterior Eye, 2023, 46, 101700.	1.7	4
2	Dysfunction of VIPR2 leads to myopia in humans and mice. Journal of Medical Genetics, 2022, 59, 88-100.	3.2	10
3	Machine learning algorithm improves accuracy of ortho-K lens fitting in vision shaping treatment. Contact Lens and Anterior Eye, 2022, 45, 101474.	1.7	8
4	Single-vision spectacle use and myopia progression in children with low myopia, a propensity score matching study. Graefe's Archive for Clinical and Experimental Ophthalmology, 2022, 260, 1345-1352.	1.9	1
5	Cyanobacteria-based self-oxygenated photodynamic therapy for anaerobic infection treatment and tissue repair. Bioactive Materials, 2022, 12, 314-326.	15.6	19
6	Centrifugally concentric ring-patterned drug-loaded polymeric coating as an intraocular lens surface modification for efficient prevention of posterior capsular opacification. Acta Biomaterialia, 2022, 138, 327-341.	8.3	22
7	Retinal Dopamine D2 Receptors Participate in the Development of Myopia in Mice. , 2022, 63, 24.		14
8	Two-year longitudinal change in choroidal and retinal thickness in school-aged myopic children: exploratory analysis of clinical trials for myopia progression. Eye and Vision (London, England), 2022, 9, 5.	3.0	5
9	SUV39H1 regulates corneal epithelial wound healing via H3K9me3-mediated repression of p27. Eye and Vision (London, England), 2022, 9, 4.	3.0	4
10	Smart Contact Lens with Dualâ€Sensing Platform for Monitoring Intraocular Pressure and Matrix Metalloproteinaseâ€9. Advanced Science, 2022, 9, e2104738.	11.2	28
11	Integrating single-cell sequencing data with GWAS summary statistics reveals CD16+monocytes and memory CD8+T cells involved in severe COVID-19. Genome Medicine, 2022, 14, 16.	8.2	25
12	Dynamic Changes of Ocular Surface in First-Time Contact Lens Wearers and the Effective Factors of Contact Lens Discomfort. Frontiers in Medicine, 2022, 9, 833962.	2.6	2
13	Altered Retinal Dopamine Levels in a Melatonin-proficient Mouse Model of Form-deprivation Myopia. Neuroscience Bulletin, 2022, 38, 992-1006.	2.9	9
14	Effects of baffle and intraocular pressure on aerosols generated in the noncontact tonometer measurement during COVID-19. International Journal of Ophthalmology, 2022, 15, 533-540.	1.1	3
15	Association of cigarette smoking with retinal capillary plexus: an optical coherence tomography angiography study. Acta Ophthalmologica, 2022, 100, .	1.1	6
16	Form-deprivation myopia downregulates calcium levels in retinal horizontal cells in mice. Experimental Eye Research, 2022, 218, 109018.	2.6	4
17	Association of Serum Uric Acid With Retinal Capillary Plexus. Frontiers in Endocrinology, 2022, 13, 855430.	3.5	3
18	Simulations to Assess the Performance of Multifactor Risk Scores for Predicting Myopia Prevalence in Children and Adolescents in China. Frontiers in Genetics, 2022, 13, 861164.	2.3	3

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19	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
20	Association of School Education With Eyesight Among Children and Adolescents. JAMA Network Open, 2022, 5, e229545.	5.9	12
21	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
22	Hypoxia-Induced Scleral HIF-2Î± Upregulation Contributes to Rises in MMP-2 Expression and Myopia Development in Mice. , 2022, 63, 2.		3
23	PPARÎ³ modulates refractive development and form deprivation myopia in Guinea pigs. Experimental Eye Research, 2021, 202, 108332.	2.6	10
24	Assessment of Choroidal Vascularity and Choriocapillaris Blood Perfusion in Anisomyopic Adults by SS-OCT/OCTA. , 2021, 62, 8.		83
25	Technical Report: A New Device Attached to a Smartphone for Objective Vision Screening. Optometry and Vision Science, 2021, 98, 18-23.	1.2	0
26	Choroidal blood perfusion as a potential â€œrapid predictive indexâ€•for myopia development and progression. Eye and Vision (London, England), 2021, 8, 1.	3.0	28
27	Lb2Cas12a and its engineered variants mediate genome editing in human cells. FASEB Journal, 2021, 35, e21270.	0.5	5
28	Comparison of Myopic Progression before, during, and after COVID-19 Lockdown. Ophthalmology, 2021, 128, 1655-1657.	5.2	62
29	WAVE2 suppresses mTOR activation to maintain T cell homeostasis and prevent autoimmunity. Science, 2021, 371, .	12.6	23
30	MD2 blockade prevents modified LDL-induced retinal injury in diabetes by suppressing NADPH oxidase-4 interaction with Toll-like receptor-4. Experimental and Molecular Medicine, 2021, 53, 681-694.	7.7	9
31	COVID-19 Quarantine Reveals That Behavioral Changes Have an Effect on Myopia Progression. Ophthalmology, 2021, 128, 1652-1654.	5.2	82
32	EyeDiseases: an integrated resource for dedicating to genetic variants, gene expression and epigenetic factors of human eye diseases. NAR Genomics and Bioinformatics, 2021, 3, lqab050.	3.2	14
33	Integrative genomics analysis reveals a 21q22.11 locus contributing risk to COVID-19. Human Molecular Genetics, 2021, 30, 1247-1258.	2.9	28
34	Machine learning based strategy surpasses the traditional method for selecting the first trial Lens parameters for corneal refractive therapy in Chinese adolescents with myopia. Contact Lens and Anterior Eye, 2021, 44, 101330.	1.7	11
35	Defective Temporal Window of the Foveal Visual Processing in High Myopia. , 2021, 62, 11.		1
36	The Role of Retinal Connexins Cx36 and Horizontal Cell Coupling in Emmetropization in Guinea Pigs. , 2021, 62, 27.		5

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37	Polydopamine/poly(sulfobetaine methacrylate) Co-deposition coatings triggered by CuSO4/H2O2 on implants for improved surface hemocompatibility and antibacterial activity. Bioactive Materials, 2021, 6, 2546-2556.	15.6	47
38	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
39	Declines in PDE4B activity promote myopia progression through downregulation of scleral collagen expression. Experimental Eye Research, 2021, 212, 108758.	2.6	8
40	Machine learning-based integrative analysis of methylome and transcriptome identifies novel prognostic DNA methylation signature in uveal melanoma. Briefings in Bioinformatics, 2021, 22, .	6.5	17
41	Human cell based directed evolution of adenine base editors with improved efficiency. Nature Communications, 2021, 12, 5897.	12.8	15
42	Dietary Ï‰-3 polyunsaturated fatty acids are protective for myopia. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	30
43	Response to Letter to the Editor: Aerosolization During NCT Cannot Be Reliably Determined Using Air Quality Monitors. Journal of Glaucoma, 2021, 30, e54-e55.	1.6	0
44	PDE4B Proposed as a High Myopia Susceptibility Gene in Chinese Population. Frontiers in Genetics, 2021, 12, 775797.	2.3	2
45	The Role of Internal Limiting Membrane Flap for Highly Myopic Macular Hole Retinal Detachment: Improving the Closure Rate but Leading to Excessive Gliosis. Frontiers in Medicine, 2021, 8, 812693.	2.6	5
46	The power of genetic diversity in genome-wide association studies of lipids. Nature, 2021, 600, 675-679.	27.8	353
47	Decreased Choroidal Blood Perfusion Induces Myopia in Guinea Pigs. , 2021, 62, 30.		30
48	Binocular Summation Is Intact in Intermittent Exotropia After Surgery. Frontiers in Medicine, 2021, 8, 791548.	2.6	2
49	Optic nerve crush modulates refractive development of the C57BL/6 mouse by changing multiple ocular dimensions. Brain Research, 2020, 1726, 146537.	2.2	5
50	Co-Expression of Mitochondrial Genes and ACE2 in Cornea Involved in COVID-19. , 2020, 61, 13.		16
51	Scleral HIF-1Î± is a prominent regulatory candidate for genetic and environmental interactions in human myopia pathogenesis. EBioMedicine, 2020, 57, 102878.	6.1	56
52	Increased Choroidal Blood Perfusion Can Inhibit Form Deprivation Myopia in Guinea Pigs. , 2020, 61, 25.		72
53	A Comprehensive Strategy for Laser Corneal Refractive Surgery during the COVID-19 Epidemic in a Tertiary Teaching Hospital in Wenzhou, China. Journal of Ophthalmology, 2020, 2020, 1-6.	1.3	2
54	Wearable Corneal Biosensors Fabricated from PEDOT Functionalized SulfurâĐoped Graphene for Use in the Early Detection of Myopia. Advanced Materials Technologies, 2020, 5, 2000682.	5.8	15

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55	A role of color vision in emmetropization in C57BL/6J mice. Scientific Reports, 2020, 10, 14895.	3.3	8
56	Short-Term Deprivation Does Not Influence Monocular or Dichoptic Temporal Synchrony at Low Temporal Frequency. Frontiers in Neuroscience, 2020, 14, 402.	2.8	3
57	Up-Regulation of Matrix Metalloproteinase-2 by Scleral Monocyteâ€"Derived Macrophages Contributes to Myopia Development. American Journal of Pathology, 2020, 190, 1888-1908.	3.8	18
58	Silicone Tube Miniature Drainage Device Implanted under Scleral Flap for the Surgical Treatment of Glaucoma. Current Eye Research, 2020, 45, 820-826.	1.5	0
59	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
60	MITF protects against oxidative damage-induced retinal degeneration by regulating the NRF2 pathway in the retinal pigment epithelium. Redox Biology, 2020, 34, 101537.	9.0	22
61	Validity and feasibility of a self-administered home vision examination in Yueqing, China: a cross-sectional study. BMJ Open, 2020, 10, e030956.	1.9	1
62	Interocular Suppression as Revealed by Dichoptic Masking Is Orientation-Dependent and Imbalanced in Amblyopia. , 2020, 61, 28.		17
63	Knowledge, attitudes and practices related to seeking medical eyecare services by adults with moderate-to-severe visual impairment in rural Yueqing, Wenzhou, China: a cross-sectional survey. International Journal of Ophthalmology, 2020, 13, 1115-1123.	1.1	6
64	KIT ligand protects against both light-induced and genetic photoreceptor degeneration. ELife, 2020, 9, .	6.0	13
65	The Jidong Eye Cohort Study: objectives, design, and baseline characteristics. Eye and Vision (London,) Tj ETQq1 1 0.784314 rgBT /Ov	3.0	6
66	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
67	An Autism-Related, Nonsense Foxp1 Mutant Induces Autophagy and Delays Radial Migration of the Cortical Neurons. Cerebral Cortex, 2019, 29, 3193-3208.	2.9	17
68	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
69	Changes in Choroidal Thickness and Choroidal Blood Perfusion in Guinea Pig Myopia. , 2019, 60, 3074.		120
70	Synergistic Chemotherapy and Photodynamic Therapy of Endophthalmitis Mediated by Zeolitic Imidazolate Frameworkâ€Based Drug Delivery Systems. Small, 2019, 15, e1903880.	10.0	122
71	Efficient cleavage resolves PAM preferences of CRISPR-Cas in human cells. Cell Regeneration, 2019, 8, 44-50.	2.6	20
72	Expanding the Phenotypic and Genotypic Landscape of Nonsyndromic High Myopia: A Cross-Sectional Study in 731 Chinese Patients. , 2019, 60, 4052.		24

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73	miR-142-3p suppresses uveal melanoma by targeting CDC25C, TGFÎ²R1, GNAQ, WASL, and RAC1 . Cancer Management and Research, 2019, Volume 11, 4729-4742.	1.9	19
74	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
75	Parapapillary Choroidal Microvasculature Dropout Is Associated With the Decrease in Retinal Nerve Fiber Layer Thickness: A Prospective Study. , 2019, 60, 838.		26
76	Inverse Occlusion: A Binocularly Motivated Treatment for Amblyopia. Neural Plasticity, 2019, 2019, 1-12.	2.2	34
77	Wholeâ€exome sequencing identified ARL2 as a novel candidate gene for MRCS (microcornea,) Tj ETQq1 1 0.784314 rgBT /Ov	2.0	9
78	Recent Advances in Carbonâ€Based Metalâ€Free Electrocatalysts. Advanced Materials, 2019, 31, e1806403.	21.0	222
79	Carbon Nanomaterials for Energy and Biorelated Catalysis: Recent Advances and Looking Forward. ACS Central Science, 2019, 5, 389-408.	11.3	67
80	Slc7a14 Is Indispensable in Zebrafish Retinas. Frontiers in Cell and Developmental Biology, 2019, 7, 333.	3.7	13
81	In vivo evaluation of corneal biomechanical properties by optical coherence elastography at different cross-linking irradiances. Journal of Biomedical Optics, 2019, 24, 1.	2.6	25
82	Prostaglandin F2Î± Receptor Modulation Affects Eye Development in Guinea Pigs. Basic and Clinical Pharmacology and Toxicology, 2018, 123, 263-270.	2.5	9
83	Prospective Study on Ex-PRESS Implantation Combined with Phacoemulsification in Primary Angle-Closure Glaucoma Coexisting Cataract: 3-Year Results. Current Eye Research, 2018, 43, 1045-1051.	1.5	7
84	Continuous-light versus pulsed-light accelerated corneal crosslinking with ultraviolet-A and riboflavin. Journal of Cataract and Refractive Surgery, 2018, 44, 382-389.	1.5	9
85	SaCas9 Requires 5â€²â€NNGRRTâ€3â€² PAM for Sufficient Cleavage and Possesses Higher Cleavage Activity than SpCas9 or FnCpf1 in Human Cells. Biotechnology Journal, 2018, 13, e1700561.	3.5	46
86	Measuring the Contrast Sensitivity Function Using the qCSF Method With 10 Digits. Translational Vision Science and Technology, 2018, 7, 9.	2.2	33
87	SIRT1 Deletion Impairs Retinal Endothelial Cell Migration Through Downregulation of VEGF-A/VEGFR-2 and MMP14. , 2018, 59, 5431.		16
88	Opposing Effects of PPARÎ± Agonism and Antagonism on Refractive Development and Form Deprivation Myopia in Guinea Pigs. , 2018, 59, 5803.		14
89	Engineering the Direct Repeat Sequence of crRNA for Optimization of FnCpf1-Mediated Genome Editing in Human Cells. Molecular Therapy, 2018, 26, 2650-2657.	8.2	19
90	Effects of the Tyrosinase-Dependent Dopaminergic System on Refractive Error Development in Guinea Pigs. , 2018, 59, 4631.		9

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91	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
92	Dopamine Receptor Subtypes Mediate Opposing Effects on Form Deprivation Myopia in Pigmented Guinea Pigs. , 2018, 59, 4441.		26
93	Role of Cyclic Adenosine Monophosphate in Myopic Scleral Remodeling in Guinea Pigs: A Microarray Analysis. , 2018, 59, 4318.		13
94	Cause and Effect Relationship between Changes in Scleral Matrix Metallopeptidase-2 Expression and Myopia Development in Mice. American Journal of Pathology, 2018, 188, 1754-1767.	3.8	32
95	Dopamine D1 Receptors Contribute Critically to the Apomorphine-Induced Inhibition of Form-Deprivation Myopia in Mice. , 2018, 59, 2623.		28
96	Microporous N,Pâ€Codoped Graphitic Nanosheets as an Efficient Electrocatalyst for Oxygen Reduction in Whole pH Range for Energy Conversion and Biosensing Dissolved Oxygen. Chemistry - A European Journal, 2018, 24, 18487-18493.	3.3	36
97	Corneal Collagen Cross-Linking With Riboflavin and UVA Regulates Hemangiogenesis and Lymphangiogenesis in Rats. , 2018, 59, 3702.		11
98	Genipin-Crosslinked Donor Sclera for Posterior Scleral Contraction/Reinforcement to Fight Progressive Myopia. , 2018, 59, 3564.		33
99	Hyperosmotic Stressâ€"Induced TRPM2 Channel Activation Stimulates NLRP3 Inflammasome Activity in Primary Human Corneal Epithelial Cells. , 2018, 59, 3259.		31
100	Functional non-homologous end joining patterns triggered by CRISPR/Cas9 in human cells. Journal of Genetics and Genomics, 2018, 45, 329-332.	3.9	5
101	A Single Multiplex crRNA Array for FnCpf1-Mediated Human Genome Editing. Molecular Therapy, 2018, 26, 2070-2076.	8.2	20
102	CRISPR/Cas9- loxP -Mediated Gene Editing as a Novel Site-Specific Genetic Manipulation Tool. Molecular Therapy - Nucleic Acids, 2017, 7, 378-386.	5.1	31
103	Dopamine signaling and myopia development: What are the key challenges. Progress in Retinal and Eye Research, 2017, 61, 60-71.	15.5	208
104	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
105	Identification of Functional and Expression Polymorphisms Associated With Risk for Antineutrophil Cytoplasmic Autoantibodyâ€"Associated Vasculitis. Arthritis and Rheumatology, 2017, 69, 1054-1066.	5.6	130
106	A â€˜new lease of lifeâ€™: FnCpf1 possesses DNA cleavage activity for genome editing in human cells. Nucleic Acids Research, 2017, 45, 11295-11304.	14.5	108
107	Absolute Not Relative Interocular Luminance Modulates Sensory Eye Dominance Plasticity in Adults. Neuroscience, 2017, 367, 127-133.	2.3	13
108	The T-Box Transcription Factor TBX2 Regulates Cell Proliferation in the Retinal Pigment Epithelium. Current Eye Research, 2017, 42, 1537-1544.	1.5	1

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109	The effect of topical administration of cyclopentolate on ocular biometry: An analysis for mouse and human models. Scientific Reports, 2017, 7, 9952.	3.3	11
110	Light deprivation produces distinct morphological orchestrations on RGCs and cortical cells in a depressive-like YFP-H mouse model. Neuroscience Letters, 2017, 659, 60-68.	2.1	5
111	Changes in retinal metabolic profiles associated with form deprivation myopia development in guinea pigs. Scientific Reports, 2017, 7, 2777.	3.3	27
112	Multifunctional luminescent nanofibres from Eu3+-doped La2O2SO4 with enhanced oxygen storage capability. Journal of Alloys and Compounds, 2017, 695, 202-207.	5.5	12
113	Alterations of motor cortical microcircuit in a depressive-like mouse model produced by light deprivation. Neuroscience, 2017, 341, 79-94.	2.3	10
114	Bright Light Suppresses Form-Deprivation Myopia Development With Activation of Dopamine D1 Receptor Signaling in the ON Pathway in Retina. , 2017, 58, 2306.		78
115	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
116	High-intensity corneal collagen crosslinking with riboflavin and UVA in rat cornea. PLoS ONE, 2017, 12, e0179580.	2.5	9
117	Conjunctival Microbiome Changes Associated With Soft Contact Lens and Orthokeratology Lens Wearing. , 2017, 58, 128.		55
118	Rapid development of reaching/grasping and intersensory recognition in a previously blind Tibetan girl. Journal of Vision, 2017, 17, 500.	0.3	0
119	The Role of Retinal Dopamine in C57BL/6 Mouse Refractive Development as Revealed by Intravitreal Administration of 6-Hydroxydopamine. , 2016, 57, 5393.		29
120	CRISPR/Cas9-AAV Mediated Knock-in at NRL Locus in Human Embryonic Stem Cells. Molecular Therapy - Nucleic Acids, 2016, 5, e393.	5.1	9
121	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
122	Inhibition of store-operated calcium entry by sub-lethal levels of proteasome inhibition is associated with STIM1/STIM2 degradation. Cell Calcium, 2016, 59, 172-180.	2.4	14
123	Rapid Integration of Tactile and Visual Information by a Newly Sighted Child. Current Biology, 2016, 26, 1069-1074.	3.9	27
124	Transient Expression of Fez Family Zinc Finger 2 Protein Regulates the Brn3b Gene in Developing Retinal Ganglion Cells. Journal of Biological Chemistry, 2016, 291, 7661-7668.	3.4	2
125	Identification of a rhodopsin gene mutation in a large family with autosomal dominant retinitis pigmentosa. Scientific Reports, 2016, 6, 19759.	3.3	8
126	The exome sequencing identified the mutation in YARS2 encoding the mitochondrial tyrosyl-tRNA synthetase as a nuclear modifier for the phenotypic manifestation of Leber's hereditary optic neuropathy-associated mitochondrial DNA mutation. Human Molecular Genetics, 2016, 25, 584-596.	2.9	89

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127	Microphthalmiaâ€associated transcription factor regulates skin melanoblast migration by repressing the melanoma cell adhesion molecule. Experimental Dermatology, 2016, 25, 74-76.	2.9	6
128	Efficacy Comparison of 16 Interventions for Myopia Control in Children. Ophthalmology, 2016, 123, 697-708.	5.2	521
129	The transcription factor TBX2 regulates melanogenesis in melanocytes by repressing Oca2. Molecular and Cellular Biochemistry, 2016, 415, 103-109.	3.1	6
130	Novel mutations in PDE6B causing human retinitis pigmentosa. International Journal of Ophthalmology, 2016, 9, 1094-9.	1.1	13
131	Daily Injection But Not Continuous Infusion of Apomorphine Inhibits Form-Deprivation Myopia in Mice. , 2015, 56, 2475.		44
132	Prevalence of MitochondrialND4Mutations in 1281 Han Chinese Subjects With Leber's Hereditary Optic Neuropathy. , 2015, 56, 4778.		49
133	Targeted Deletion of the Murine Lgr4 Gene Decreases Lens Epithelial Cell Resistance to Oxidative Stress and Induces Age-Related Cataract Formation. PLoS ONE, 2015, 10, e0119599.	2.5	15
134	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
135	iTRAQ-Based Proteomic Analysis of Visual Cycle-Associated Proteins in RPE ofrd12Mice before and afterRPE65Gene Delivery. Journal of Ophthalmology, 2015, 2015, 1-8.	1.3	4
136	Reactive oxygen species activated NLRP3 inflammasomes initiate inflammation in hyperosmolarity stressed human corneal epithelial cells and environment-induced dry eye patients. Experimental Eye Research, 2015, 134, 133-140.	2.6	109
137	Multiscale patterning of graphene oxide and reduced graphene oxide for flexible supercapacitors. Carbon, 2015, 92, 305-310.	10.3	68
138	Vitreal delivery of AAV vectored Cnga3 restores cone function in CNGA3-/-/Nrl-/- mice, an all-cone model of CNGA3 achromatopsia. Human Molecular Genetics, 2015, 24, 3699-707.	2.9	19
139	Rationally designed graphene-nanotube 3D architectures with a seamless nodal junction for efficient energy conversion and storage. Science Advances, 2015, 1, e1400198.	10.3	176
140	Foxp1 Regulates Cortical Radial Migration and Neuronal Morphogenesis in Developing Cerebral Cortex. PLoS ONE, 2015, 10, e0127671.	2.5	52
141	Drosophila USP5 Controls the Activation of Apoptosis and the Jun N-Terminal Kinase Pathway during Eye Development. PLoS ONE, 2014, 9, e92250.	2.5	17
142	Molecular Diagnosis of Putative Stargardt Disease by Capture Next Generation Sequencing. PLoS ONE, 2014, 9, e95528.	2.5	38
143	Proteasome Inhibitors Activate Autophagy Involving Inhibition of PI3K-Akt-mTOR Pathway as an Anti-Oxidation Defense in Human RPE Cells. PLoS ONE, 2014, 9, e103364.	2.5	42
144	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

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145	Eye and Vision (E & V): the critical link between eye and vision. Eye and Vision (London, England), 2014, 1, 1.	3.0	7
146	Effects of Dopaminergic Agents on Progression of Naturally Occurring Myopia in Albino Guinea Pigs (Cavia porcellus). , 2014, 55, 7508.		48
147	Activation of Dopamine D2 Receptor Is Critical for the Development of Form-Deprivation Myopia in the C57BL/6 Mouse. , 2014, 55, 5537.		44
148	'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
149	Reactive oxygen species activated NLRP3 inflammasomes prime environment-induced murine dry eye. Experimental Eye Research, 2014, 125, 1-8.	2.6	116
150	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
151	The Drosophila tankyrase regulates Wg signaling depending on the concentration of Daxin. Cellular Signalling, 2014, 26, 1717-1724.	3.6	21
152	SLC7A14 linked to autosomal recessive retinitis pigmentosa. Nature Communications, 2014, 5, 3517.	12.8	82
153	The Sterile 20-Like Kinase Tao Controls Tissue Homeostasis by Regulating the Hippo Pathway in Drosophila Adult Midgut. Journal of Genetics and Genomics, 2014, 41, 429-438.	3.9	16
154	A recurrent deletion mutation in OPA1 causes autosomal dominant optic atrophy in a Chinese family. Scientific Reports, 2014, 4, 6936.	3.3	8
155	Comparison of non-canonical PAMs for CRISPR/Cas9-mediated DNA cleavage in human cells. Scientific Reports, 2014, 4, 5405.	3.3	187
156	Identification of Three Novel Mutations in the FRMD7 Gene for X-linked Idiopathic Congenital Nystagmus. Scientific Reports, 2014, 4, 3745.	3.3	14
157	Identification of a Novel GJA8 (Cx50) Point Mutation Causes Human Dominant Congenital Cataracts. Scientific Reports, 2014, 4, 4121.	3.3	30
158	Electroactive and biocompatible hydroxyl- functionalized graphene by ball milling. Journal of Materials Chemistry, 2012, 22, 8367.	6.7	90
159	Genetic Variants at 13q12.12 Are Associated with High Myopia in the Han Chinese Population. American Journal of Human Genetics, 2011, 88, 805-813.	6.2	106
160	Leber's Hereditary Optic Neuropathy Affects Only Female Matrilineal Relatives in Two Chinese Families. , 2010, 51, 4906.		19
161	Low penetrance of Leber's hereditary optic neuropathy in ten Han Chinese families carrying the ND6 T11484C mutation. Biochimica Et Biophysica Acta - General Subjects, 2010, 1800, 305-312.	2.4	15
162	Extremely Low Penetrance of Leber's Hereditary Optic Neuropathy in 8 Han Chinese Families Carrying the ND4 G11778A Mutation. Ophthalmology, 2009, 116, 558-564.e3.	5.2	51

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163	Wavefront aberration and its association with intraocular pressure and central corneal thickness in myopic eyes. Journal of Cataract and Refractive Surgery, 2007, 33, 1447-1454.	1.5	18
164	Cosegregation of the ND4 G11696A mutation with the LHON-associated ND4 G11778A mutation in a four generation Chinese family. Mitochondrion, 2007, 7, 140-146.	3.4	46
165	The Presence of m1 to m5 Receptors in Human Sclera: Evidence of the Sclera as a Potential Site of Action for Muscarinic Receptor Antagonists. Current Eye Research, 2006, 31, 587-597.	1.5	47
166	The Novel A4435G Mutation in the Mitochondrial tRNAMetMay Modulate the Phenotypic Expression of the LHON-Associated ND4 G11778A Mutation. , 2006, 47, 475.		112
167	Development of the human superior colliculus and the retinocollicular projection. Experimental Eye Research, 2006, 82, 300-310.	2.6	14
168	Only male matrilineal relatives with Leberâ€™s hereditary optic neuropathy in a large Chinese family carrying the mitochondrial DNA G11778A mutation. Biochemical and Biophysical Research Communications, 2005, 328, 1139-1145.	2.1	34
169	Surface Hydrophilicity Improvement of RGP Contact Lens Material by Oxygen Plasma Treatment. Materials Science Forum, 0, 610-613, 1268-1272.	0.3	4
170	Surface Modification of Fluorosilicone Acrylate RGP Contact Lens by Low-Temperature Ammonia Plasma. Materials Science Forum, 0, 610-613, 1273-1277.	0.3	2
171	Cytotoxicity of Single-Walled Carbon Nanotubes with Human Ocular Cells. Advanced Materials Research, 0, 287-290, 32-36.	0.3	8