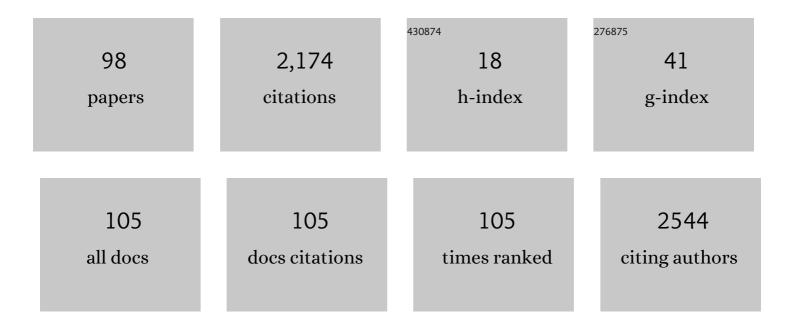
## Zhenzhen Liu

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/4719077/publications.pdf Version: 2024-02-01



<u> 7ηενσμενί ΙΙΙ</u>

#	Article	IF	CITATIONS
1	Prevalence of depression and depressive symptoms among outpatients: a systematic review and meta-analysis. BMJ Open, 2017, 7, e017173.	1.9	278
2	An artificial intelligence platform for the multihospital collaborative management of congenital cataracts. Nature Biomedical Engineering, 2017, 1, .	22.5	234
3	Lens regeneration using endogenous stem cells with gain of visual function. Nature, 2016, 531, 323-328.	27.8	171
4	Diagnostic Efficacy and Therapeutic Decision-making Capacity of an Artificial Intelligence Platform for Childhood Cataracts in Eye Clinics: A Multicentre Randomized Controlled Trial. EClinicalMedicine, 2019, 9, 52-59.	7.1	117
5	The Diagnostic Value of MR Imaging in Differentiating T Staging of Bladder Cancer: A Meta-Analysis. Radiology, 2018, 286, 502-511.	7.3	97
6	Prediction of myopia development among Chinese school-aged children using refraction data from electronic medical records: A retrospective, multicentre machine learning study. PLoS Medicine, 2018, 15, e1002674.	8.4	93
7	Universal artificial intelligence platform for collaborative management of cataracts. British Journal of Ophthalmology, 2019, 103, 1553-1560.	3.9	87
8	Localization and diagnosis framework for pediatric cataracts based on slit-lamp images using deep features of a convolutional neural network. PLoS ONE, 2017, 12, e0168606.	2.5	72
9	Implementation of artificial intelligence in medicine: Status analysis and development suggestions. Artificial Intelligence in Medicine, 2020, 102, 101780.	6.5	53
10	Dense anatomical annotation of slit-lamp images improves the performance of deep learning for the diagnosis of ophthalmic disorders. Nature Biomedical Engineering, 2020, 4, 767-777.	22.5	42
11	Comparative analysis of image classification methods for automatic diagnosis of ophthalmic images. Scientific Reports, 2017, 7, 41545.	3.3	41
12	An Interpretable and Expandable Deep Learning Diagnostic System for Multiple Ocular Diseases: Qualitative Study. Journal of Medical Internet Research, 2018, 20, e11144.	4.3	41
13	Characteristics and factors associated with intraocular lens tilt and decentration after cataract surgery. Journal of Cataract and Refractive Surgery, 2020, 46, 1126-1131.	1.5	39
14	Automatic diagnosis of imbalanced ophthalmic images using a cost-sensitive deep convolutional neural network. BioMedical Engineering OnLine, 2017, 16, 132.	2.7	36
15	A practical model for the identification of congenital cataracts using machine learning. EBioMedicine, 2020, 51, 102621.	6.1	28
16	Accuracy of New Generation Intraocular Lens Calculation Formulas in Vitrectomized Eyes. American Journal of Ophthalmology, 2020, 217, 81-90.	3.3	27
17	Effectiveness of an Ophthalmic Hospital-Based Virtual Service during the COVID-19 Pandemic. Ophthalmology, 2021, 128, 942-945.	5.2	25
18	Prevalence of myopic macular degeneration worldwide: a systematic review and meta-analysis. British Journal of Ophthalmology, 2020, 104, 1748-1754.	3.9	23

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19	Artificial intelligence manages congenital cataract with individualized prediction and telehealth computing. Npj Digital Medicine, 2020, 3, 112.	10.9	22
20	Prevalence and time trends of refractive error in Chinese children: A systematic review and meta-analysis. Journal of Global Health, 2021, 11, 08006.	2.7	21
21	Improvement of Uveal and Capsular Biocompatibility of Hydrophobic Acrylic Intraocular Lens by Surface Grafting with 2-Methacryloyloxyethyl Phosphorylcholine-Methacrylic Acid Copolymer. Scientific Reports, 2017, 7, 40462.	3.3	20
22	A Novel Congenital Cataract Category System Based on Lens Opacity Locations and Relevant Anterior Segment Characteristics. , 2016, 57, 6389.		19
23	Impairment of the Ubiquitin-Proteasome Pathway in RPE Alters the Expression of Inflammation Related Genes. Advances in Experimental Medicine and Biology, 2014, 801, 237-250.	1.6	18
24	Predicting the progression of ophthalmic disease based on slit-lamp images using a deep temporal sequence network. PLoS ONE, 2018, 13, e0201142.	2.5	18
25	Loss-of-function mutations in FREM2 disrupt eye morphogenesis. Experimental Eye Research, 2019, 181, 302-312.	2.6	18
26	Prevalence of Corneal Astigmatism and Anterior Segmental Biometry Characteristics Before Surgery in Chinese Congenital Cataract Patients. Scientific Reports, 2016, 6, 22092.	3.3	17
27	The Structure of the Lens and Its Associations with the Visual Quality. BMJ Open Ophthalmology, 2020, 5, e000459.	1.6	17
28	Extracellular vesicles promote epithelial-to-mesenchymal transition of lens epithelial cells under oxidative stress. Experimental Cell Research, 2021, 398, 112362.	2.6	17
29	Monitoring and Morphologic Classification of Pediatric Cataract Using Slit-Lamp-Adapted Photography. Translational Vision Science and Technology, 2017, 6, 2.	2.2	15
30	Proteomics analysis and proteogenomic characterization of different physiopathological human lenses. BMC Ophthalmology, 2017, 17, 253.	1.4	14
31	Attitudes towards medical artificial intelligence talent cultivation: an online survey study. Annals of Translational Medicine, 2020, 8, 708-708.	1.7	14
32	Determinants of intraocular lens tilt and decentration after cataract surgery. Annals of Translational Medicine, 2020, 8, 921-921.	1.7	14
33	Artificial intelligence-tutoring problem-based learning in ophthalmology clerkship. Annals of Translational Medicine, 2020, 8, 700-700.	1.7	14
34	In-the-Bag Versus Ciliary Sulcus Secondary Intraocular Lens Implantation for Pediatric Aphakia: A Prospective Comparative Study. American Journal of Ophthalmology, 2022, 236, 183-192.	3.3	14
35	Discrimination of the behavioural dynamics of visually impaired infants via deep learning. Nature Biomedical Engineering, 2019, 3, 860-869.	22.5	13
36	Accuracy of intraocular lens power calculations in paediatric eyes. Clinical and Experimental Ophthalmology, 2020, 48, 301-310.	2.6	13

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37	Fluid-jet technique to polish the posterior capsule for phacoemulsification surgeries: efficacy and safety evaluation. Journal of Cataract and Refractive Surgery, 2020, 46, 1508-1514.	1.5	13
38	Clinically Significant Intraocular Lens Decentration and Tilt in Highly Myopic Eyes: A Swept-Source Optical Coherence Tomography Study. American Journal of Ophthalmology, 2022, 235, 46-55.	3.3	13
39	Distributions of crystalline lens tilt and decentration and associated factors in age-related cataract. Journal of Cataract and Refractive Surgery, 2021, 47, 1296-1301.	1.5	13
40	Early-Onset Posterior Capsule Opacification: Incidence, Severity, and Risk Factors. Ophthalmology and Therapy, 2022, 11, 113-123.	2.3	13
41	Liu et al. reply. Nature, 2018, 556, E3-E4.	27.8	12
42	A human-in-the-loop deep learning paradigm for synergic visual evaluation in children. Neural Networks, 2020, 122, 163-173.	5.9	12
43	Incidence of and Risk Factors for Suspected Glaucoma and Glaucoma After Congenital and Infantile Cataract Surgery: A Longitudinal Study in China. Journal of Glaucoma, 2020, 29, 46-52.	1.6	12
44	Genetic associations of antiâ€vascular endothelial growth factor therapy response in ageâ€related macular degeneration: a systematic review and metaâ€analysis. Acta Ophthalmologica, 2022, 100, .	1.1	12
45	Corneal Biometric Features and Their Association With Axial Length in High Myopia. American Journal of Ophthalmology, 2022, 238, 45-51.	3.3	12
46	Lens regeneration in humans: using regenerative potential for tissue repairing. Annals of Translational Medicine, 2020, 8, 1544-1544.	1.7	11
47	Artificial intelligence deciphers codes for color and odor perceptions based on large-scale chemoinformatic data. GigaScience, 2020, 9, .	6.4	11
48	Real-Time Imaging of Incision-Related Descemet Membrane Detachment During Cataract Surgery. JAMA Ophthalmology, 2021, 139, 150.	2.5	11
49	Spatial Technology Assessment of Green Space Exposure andÂMyopia. Ophthalmology, 2022, 129, 113-117.	5.2	11
50	Visual Outcome and Related Factors in Bilateral Total Congenital Cataract Patients: A Prospective Cohort Study. Scientific Reports, 2016, 6, 31307.	3.3	10
51	Preoperative profile of inflammatory factors in aqueous humor correlates with postoperative inflammatory response in patients with congenital cataract. Molecular Vision, 2018, 24, 414-424.	1.1	10
52	Patient participation in free cataract surgery: a cross-sectional study of the low-income elderly in urban China. BMJ Open, 2016, 6, e011061.	1.9	9
53	Interocular anatomical and visual functional differences in pediatric patients with unilateral cataracts. BMC Ophthalmology, 2016, 16, 192.	1.4	9
54	Timing and approaches in congenital cataract surgery: a randomised controlled trial. Lancet, The, 2016, 388, S52.	13.7	8

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#	Article	IF	CITATIONS
55	Perforating ocular fishhook trauma: a case report. Australasian journal of optometry, The, 2018, 101, 297-298.	1.3	8
56	Comparison of radius of anterior lens surface curvature measurements in vivo using the anterior segment optical coherence tomography and Scheimpflug imaging. Annals of Translational Medicine, 2020, 8, 177-177.	1.7	8
57	Objective quantification of lens nuclear opacities using swept-source anterior segment optical coherence tomography. British Journal of Ophthalmology, 2022, 106, 790-794.	3.9	8
58	Automatic classification of heterogeneous slit-illumination images using an ensemble of cost-sensitive convolutional neural networks. Annals of Translational Medicine, 2021, 9, 550-550.	1.7	8
59	Real-world visual outcomes of cataract surgery based on population-based studies: a systematic review. British Journal of Ophthalmology, 2023, 107, 1056-1065.	3.9	8
60	Enhancement of Ubiquitin Conjugation Activity Reduces Intracellular Aggregation of V76D Mutant γD-Crystallin. , 2012, 53, 6655.		7
61	Developmental profile of ocular refraction in patients with congenital cataract: a prospective cohort study. Lancet, The, 2016, 388, S54.	13.7	7
62	Systemically modeling the relationship between climate change and wheat aphid abundance. Science of the Total Environment, 2019, 674, 392-400.	8.0	7
63	Characteristics and Risk Factors of Intraocular Lens Tilt and Decentration of Phacoemulsification After Pars Plana Vitrectomy. Translational Vision Science and Technology, 2021, 10, 26.	2.2	7
64	Agreement of Anterior Segment Parameter Measurements With CASIA 2 and IOLMaster 700. Frontiers in Medicine, 2022, 9, 777443.	2.6	7
65	Prevalence and Determinants Associated With Spectacle-Wear Compliance in Aphakic Infants. Translational Vision Science and Technology, 2018, 7, 5.	2.2	6
66	An artificial intelligent platform for live cell identification and the detection of cross-contamination. Annals of Translational Medicine, 2020, 8, 697-697.	1.7	6
67	Axial Length Change in Pseudophakic Eyes Measured by IOLMaster 700. Translational Vision Science and Technology, 2021, 10, 29.	2.2	6
68	Dynamic response to initial stage blindness in visual system development. Clinical Science, 2017, 131, 1515-1527.	4.3	5
69	Construction and implications of structural equation modeling network for pediatric cataract: a data mining research of rare diseases. BMC Ophthalmology, 2017, 17, 74.	1.4	5
70	Real-world big data demonstrates prevalence trends and developmental patterns of myopia in China: a retrospective, multicenter study. Annals of Translational Medicine, 2021, 9, 554-554.	1.7	5
71	Predicting the 10-year risk of cataract surgery using machine learning techniques on questionnaire data: findings from the 45 and Up Study. British Journal of Ophthalmology, 2022, 106, 1503-1507.	3.9	5
72	Incidence of Incision-Related Descemet Membrane Detachment Using Phacoemulsification With Trapezoid vs Conventional 2.2-mm Clear Corneal Incision. JAMA Ophthalmology, 2021, 139, 1228.	2.5	5

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#	Article	IF	CITATIONS
73	The value and implementation of routine ophthalmic examination in the era of HAART. EClinicalMedicine, 2021, 31, 100646.	7.1	4
74	Accuracy of Intraocular Lens Calculation Formulas in Patients Undergoing Combined Phakic Intraocular Lens Removal and Cataract Surgery. American Journal of Ophthalmology, 2022, 234, 241-249.	3.3	4
75	In-vivo Lens Biometry Using the Novel Ultrasound Biomicroscopy. Frontiers in Medicine, 2022, 9, 777645.	2.6	4
76	Evaluation of Intraocular Lens Tilt and Decentration in Congenital Ectopia Lentis by the Pentacam Scheimpflug System. Journal of Ophthalmology, 2022, 2022, 1-6.	1.3	4
77	Longitudinal Changes of Axial Length and Associated Factors in Congenital Ectopia Lentis Patients. Journal of Ophthalmology, 2022, 2022, 1-7.	1.3	4
78	Practical pattern of surgical timing of childhood cataract in China: A cross-sectional database study. International Journal of Surgery, 2019, 62, 56-61.	2.7	3
79	Developmental characteristics of the cytokine profile in aqueous humor and its relationship with the inflammatory response in children. Annals of Translational Medicine, 2020, 8, 1542-1542.	1.7	3
80	Hypertension affects the treatment of wet ageâ€related macular degeneration. Acta Ophthalmologica, 2021, 99, 871-876.	1.1	3
81	Characteristics of Corneal Higher-Order Aberrations in Congenital Ectopia Lentis Patients. Translational Vision Science and Technology, 2021, 10, 24.	2.2	3
82	Impairments of Visual Function and Ocular Structure in Patients With Unilateral Posterior Lens Opacity. Translational Vision Science and Technology, 2018, 7, 9.	2.2	2
83	Study to establish visual acuity norms with Teller Acuity Cards II for infants from southern China. Eye, 2021, 35, 2787-2792.	2.1	2
84	Profiles of intraocular higher-order aberrations in healthy phakic eyes: prospective cross-sectional study. Annals of Translational Medicine, 2020, 8, 850-850.	1.7	2
85	The associations of population mobility in HIV disease severity and mortality rate in China. Annals of Translational Medicine, 2021, 9, 315-315.	1.7	2
86	Height, weight and body mass index of children with congenital cataracts before surgical treatment. BMC Ophthalmology, 2017, 17, 119.	1.4	1
87	Clinical characteristics of young adult cataract patients: a 10-year retrospective study of the Zhongshan Ophthalmic Center. BMJ Open, 2018, 8, e020234.	1.9	1
88	A sparkling cataract. BMJ: British Medical Journal, 2019, , k5212.	2.3	1
89	Effect of High Myopia on Dynamic Changes of Anterior Angle After Pharmacologic Mydriasis in Cataract Patients: A SS-ASOCT Study. Translational Vision Science and Technology, 2021, 10, 25.	2.2	1
90	Body mass index is not associated with early onset cataract in the 45 and Up cohort study. Annals of Translational Medicine, 2021, 9, 0-0.	1.7	1

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#	Article	IF	CITATIONS
91	Pigmented posterior lenticonus in unilateral development cataract. American Journal of Ophthalmology, 2022, 240, e3-e4.	3.3	1
92	Characteristics of Anterior Segment in Congenital Ectopia Lentis: An SS-OCT Study. Journal of Ophthalmology, 2022, 2022, 1-7.	1.3	1
93	The Detrimental Effect of Noisy Visual Input on the Visual Development of Human Infants. IScience, 2020, 23, 100803.	4.1	Ο
94	Findings from the 45 and Up Study: smoking is not associated with the risk of early-onset cataract. Annals of Translational Medicine, 2021, 9, 1077-1077.	1.7	0
95	Cataract Surgery in Children with Anomalies of the Uvea. , 2017, , 209-222.		0
96	Time to talk about parents of ill children. Annals of Translational Medicine, 2019, 7, S233-S233.	1.7	0
97	Modified organized ophthalmology pre-internship in China. Annals of Translational Medicine, 2020, 8, 1426.	1.7	0
98	Associations Among Outdoor Time, Skin Tanning, and the Risk of Surgically Treated Cataract for Australians 45 to 65 Years of Age. Translational Vision Science and Technology, 2022, 11, 3.	2.2	0