

Chuan Chen

List of Publications by Year in descending order

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Version: 2024-02-01

65
papers

1,749
citations

304602

22
h-index

315616

38
g-index

68
all docs

68
docs citations

68
times ranked

1979
citing authors

#	ARTICLE	IF	CITATIONS
1	Spatial Technology Assessment of Green Space Exposure and Myopia. <i>Ophthalmology</i> , 2022, 129, 113-117.	2.5	11
2	Automated detection of retinal exudates and drusen in ultra-widefield fundus images based on deep learning. <i>Eye</i> , 2022, 36, 1681-1686.	1.1	19
3	Development and validation of a deep learning system to screen vision-threatening conditions in high myopia using optical coherence tomography images. <i>British Journal of Ophthalmology</i> , 2022, 106, 633-639.	2.1	36
4	Epigenetic and Transcriptional Regulation of Innate Immunity in Cancer. <i>Cancer Research</i> , 2022, 82, 2047-2056.	0.4	5
5	Study to establish visual acuity norms with Teller Acuity Cards II for infants from southern China. <i>Eye</i> , 2021, 35, 2787-2792.	1.1	2
6	Deep learning for automated glaucomatous optic neuropathy detection from ultra-widefield fundus images. <i>British Journal of Ophthalmology</i> , 2021, 105, 1548-1554.	2.1	29
7	Comparison of macular structural and vascular changes in neuromyelitis optica spectrum disorder and primary open angle glaucoma: a cross-sectional study. <i>British Journal of Ophthalmology</i> , 2021, 105, 354-360.	2.1	7
8	Effectiveness of an Ophthalmic Hospital-Based Virtual Service during the COVID-19 Pandemic. <i>Ophthalmology</i> , 2021, 128, 942-945.	2.5	25
9	Extracellular vesicles promote epithelial-to-mesenchymal transition of lens epithelial cells under oxidative stress. <i>Experimental Cell Research</i> , 2021, 398, 112362.	1.2	17
10	The value and implementation of routine ophthalmic examination in the era of HAART. <i>EClinicalMedicine</i> , 2021, 31, 100646.	3.2	4
11	The associations of population mobility in HIV disease severity and mortality rate in China. <i>Annals of Translational Medicine</i> , 2021, 9, 315-315.	0.7	2
12	Associations Between Regional Environment and Cornea-Related Morphology of the Eye in Young Adults: A Large-Scale Multicenter Cross-Sectional Study. , 2021, 62, 35.		6
13	Screening and identifying hepatobiliary diseases through deep learning using ocular images: a prospective, multicentre study. <i>The Lancet Digital Health</i> , 2021, 3, e88-e97.	5.9	50
14	An artificial intelligence platform for the diagnosis and surgical planning of strabismus using corneal light-reflection photos. <i>Annals of Translational Medicine</i> , 2021, 9, 374-374.	0.7	6
15	Hypertension affects the treatment of wet age-related macular degeneration. <i>Acta Ophthalmologica</i> , 2021, 99, 871-876.	0.6	3
16	The associations of high academic performance with childhood ametropia prevalence and myopia development in China. <i>Annals of Translational Medicine</i> , 2021, 9, 745-745.	0.7	9
17	Comparison of Visual Neuroadaptations After Multifocal and Monofocal Intraocular Lens Implantation. <i>Frontiers in Neuroscience</i> , 2021, 15, 648863.	1.4	12
18	Application of Comprehensive Artificial intelligence Retinal Expert (CARE) system: a national real-world evidence study. <i>The Lancet Digital Health</i> , 2021, 3, e486-e495.	5.9	65

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19	Cdc42 GTPase-activating proteins (GAPs) regulate generational inheritance of cell polarity and cell shape in fission yeast. <i>Molecular Biology of the Cell</i> , 2021, 32, ar14.	0.9	4
20	On the correlation between serum Cystatin C and Parkinson's disease in the Chinese population: a promising biomarker?. <i>Journal of Integrative Neuroscience</i> , 2021, 20, 349.	0.8	5
21	Predicting Central Serous Chorioretinopathy Recurrence Using Machine Learning. <i>Frontiers in Physiology</i> , 2021, 12, 649316.	1.3	3
22	Surgical treatment of foreign body embolus in the Middle cerebral artery secondary to neck injury. <i>British Journal of Neurosurgery</i> , 2020, 34, 512-517.	0.4	1
23	A human-in-the-loop deep learning paradigm for synergic visual evaluation in children. <i>Neural Networks</i> , 2020, 122, 163-173.	3.3	12
24	Deep learning for detecting retinal detachment and discerning macular status using ultra-widefield fundus images. <i>Communications Biology</i> , 2020, 3, 15.	2.0	48
25	Implementation of artificial intelligence in medicine: Status analysis and development suggestions. <i>Artificial Intelligence in Medicine</i> , 2020, 102, 101780.	3.8	53
26	A practical model for the identification of congenital cataracts using machine learning. <i>EBioMedicine</i> , 2020, 51, 102621.	2.7	28
27	The Detrimental Effect of Noisy Visual Input on the Visual Development of Human Infants. <i>IScience</i> , 2020, 23, 100803.	1.9	0
28	Incidence of and Risk Factors for Suspected Glaucoma and Glaucoma After Congenital and Infantile Cataract Surgery: A Longitudinal Study in China. <i>Journal of Glaucoma</i> , 2020, 29, 46-52.	0.8	12
29	Optical Coherence Tomography Angiography Reveals Distinct Retinal Structural and Microvascular Abnormalities in Cerebrovascular Disease. <i>Frontiers in Neuroscience</i> , 2020, 14, 588515.	1.4	12
30	Impact of cataract screening integrated into establishment of resident health record on surgical output in a rural area of south China. <i>Annals of Translational Medicine</i> , 2020, 8, 1222-1222.	0.7	2
31	Artificial intelligence manages congenital cataract with individualized prediction and telehealth computing. <i>Npj Digital Medicine</i> , 2020, 3, 112.	5.7	22
32	Exploring the growth patterns of medical demand for eye care: a longitudinal hospital-level study over 10 years in China. <i>Annals of Translational Medicine</i> , 2020, 8, 1374-1374.	0.7	7
33	Deep learning from "passive feeding" to "selective eating" of real-world data. <i>Npj Digital Medicine</i> , 2020, 3, 143.	5.7	17
34	Dense anatomical annotation of slit-lamp images improves the performance of deep learning for the diagnosis of ophthalmic disorders. <i>Nature Biomedical Engineering</i> , 2020, 4, 767-777.	11.6	42
35	An artificial intelligent platform for live cell identification and the detection of cross-contamination. <i>Annals of Translational Medicine</i> , 2020, 8, 697-697.	0.7	6
36	Automatic identification of myopia based on ocular appearance images using deep learning. <i>Annals of Translational Medicine</i> , 2020, 8, 705-705.	0.7	23

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37	Development and Evaluation of a Deep Learning System for Screening Retinal Hemorrhage Based on Ultra-Widefield Fundus Images. <i>Translational Vision Science and Technology</i> , 2020, 9, 3.	1.1	22
38	Artificial intelligence deciphers codes for color and odor perceptions based on large-scale chemoinformatic data. <i>GigaScience</i> , 2020, 9, .	3.3	11
39	Conserved NDR/LATS kinase controls RAS GTPase activity to regulate cell growth and chronological lifespan. <i>Molecular Biology of the Cell</i> , 2019, 30, 2598-2616.	0.9	14
40	Discrimination of the behavioural dynamics of visually impaired infants via deep learning. <i>Nature Biomedical Engineering</i> , 2019, 3, 860-869.	11.6	13
41	Universal artificial intelligence platform for collaborative management of cataracts. <i>British Journal of Ophthalmology</i> , 2019, 103, 1553-1560.	2.1	87
42	Practical pattern of surgical timing of childhood cataract in China: A cross-sectional database study. <i>International Journal of Surgery</i> , 2019, 62, 56-61.	1.1	3
43	Diagnostic Efficacy and Therapeutic Decision-making Capacity of an Artificial Intelligence Platform for Childhood Cataracts in Eye Clinics: A Multicentre Randomized Controlled Trial. <i>EClinicalMedicine</i> , 2019, 9, 52-59.	3.2	117
44	Loss-of-function mutations in <i>FREM2</i> disrupt eye morphogenesis. <i>Experimental Eye Research</i> , 2019, 181, 302-312.	1.2	18
45	Development and validation of deep learning algorithms for scoliosis screening using back images. <i>Communications Biology</i> , 2019, 2, 390.	2.0	72
46	Increased prevalence of parent ratings of ADHD symptoms among children with bilateral congenital cataracts. <i>International Journal of Ophthalmology</i> , 2019, 12, 1323-1329.	0.5	3
47	A deep learning system for identifying lattice degeneration and retinal breaks using ultra-widefield fundus images. <i>Annals of Translational Medicine</i> , 2019, 7, 618-618.	0.7	36
48	Accuracy of intraocular lens power calculation formulas in long eyes: a systematic review and meta-analysis. <i>Clinical and Experimental Ophthalmology</i> , 2018, 46, 738-749.	1.3	51
49	Visual Restoration after Cataract Surgery Promotes Functional and Structural Brain Recovery. <i>EBioMedicine</i> , 2018, 30, 52-61.	2.7	33
50	Significant correlation between meibomian gland dysfunction and keratitis in young patients with <i>Demodex brevis</i> infestation. <i>British Journal of Ophthalmology</i> , 2018, 102, 1098-1102.	2.1	40
51	Surgical Revascularization for Children with Moyamoya Disease: A New Modification to the Pial Syngangiosis. <i>World Neurosurgery</i> , 2018, 110, e203-e211.	0.7	5
52	Comparison of the Effects of BMSC-derived Schwann Cells and Autologous Schwann Cells on Remyelination Using a Rat Sciatic Nerve Defect Model. <i>International Journal of Biological Sciences</i> , 2018, 14, 1910-1922.	2.6	24
53	Xenogeneic acellular nerve scaffolds supplemented with autologous bone marrow-derived stem cells promote axonal outgrowth and remyelination but not nerve function. <i>Journal of Biomedical Materials Research - Part A</i> , 2018, 106, 3065-3078.	2.1	9
54	Preoperative profile of inflammatory factors in aqueous humor correlates with postoperative inflammatory response in patients with congenital cataract. <i>Molecular Vision</i> , 2018, 24, 414-424.	1.1	10

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55	Surgical Treatment of Metallic Foreign Body Embolization in the Middle Cerebral Artery: Case Report and Literature Review. <i>World Neurosurgery</i> , 2017, 98, 874.e7-874.e12.	0.7	1
56	Combining Internal Carotid Ligation with Low-Flow Bypass for Treating Large-Giant Cavernous Sinus Segment Aneurysms: A Report of Four Cases. <i>World Neurosurgery</i> , 2017, 100, 280-287.	0.7	5
57	Prevalence of depression and depressive symptoms among outpatients: a systematic review and meta-analysis. <i>BMJ Open</i> , 2017, 7, e017173.	0.8	278
58	Comparison between flipped classroom and lecture-based classroom in ophthalmology clerkship. <i>Medical Education Online</i> , 2017, 22, 1395679.	1.1	114
59	Killing two birds with one stone: dual blockade of integrin and FGF signaling through targeting syndecan-4 in postoperative capsular opacification. <i>Cell Death and Disease</i> , 2017, 8, e2920-e2920.	2.7	32
60	Facing the challenges in ophthalmology clerkship teaching: Is flipped classroom the answer?. <i>PLoS ONE</i> , 2017, 12, e0174829.	1.1	75
61	Sprouty2 Suppresses Epithelial-Mesenchymal Transition of Human Lens Epithelial Cells through Blockade of Smad2 and ERK1/2 Pathways. <i>PLoS ONE</i> , 2016, 11, e0159275.	1.1	28
62	Intraoperative Ultrasonography Combined with Indocyanine Green Videoâ€Angiography in Patients with Cerebral Arteriovenous Malformations. <i>Journal of Neuroimaging</i> , 2015, 25, 916-921.	1.0	1
63	On clipping of anterior communicating artery aneurysm via eyebrow-lateral keyhole approach. <i>International Journal of Clinical and Experimental Medicine</i> , 2015, 8, 21114-21.	1.3	6
64	Evaluation of ventriculoperitoneal shunt in the treatment of intracranial hypertension in the patients with cryptococcal meningitis: A report of 12 cases. <i>Clinical Neurology and Neurosurgery</i> , 2014, 124, 156-160.	0.6	8
65	Analysis of glistenings in hydrophobic acrylic intraocular lenses on visual performance. <i>International Journal of Ophthalmology</i> , 2014, 7, 446-51.	0.5	25