

Chih-Chien Hsu

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

1,129
citations

516561

16
h-index

454834

30
g-index

56
all docs

56
docs citations

56
times ranked

1854
citing authors

#	ARTICLE	IF	CITATIONS
1	Artificial intelligence-based decision-making for age-related macular degeneration. <i>Theranostics</i> , 2019, 9, 232-245.	4.6	116
2	The generation of induced pluripotent stem cells for macular degeneration as a drug screening platform: identification of curcumin as a protective agent for retinal pigment epithelial cells against oxidative stress. <i>Frontiers in Aging Neuroscience</i> , 2014, 6, 191.	1.7	71
3	Risk factors for myopia progression in second-grade primary school children in Taipei: a population-based cohort study. <i>British Journal of Ophthalmology</i> , 2017, 101, 1611-1617.	2.1	68
4	Noninfectious uveitis in the Asia-Pacific region. <i>Eye</i> , 2019, 33, 66-77.	1.1	53
5	Protective behaviours of near work and time outdoors in myopia prevalence and progression in myopic children: a 2-year prospective population study. <i>British Journal of Ophthalmology</i> , 2020, 104, 956-961.	2.1	53
6	Myopia Development Among Young Schoolchildren: The Myopia Investigation Study in Taipei. , 2016, 57, 6852.		50
7	Nanofiber-reinforced decellularized amniotic membrane improves limbal stem cell transplantation in a rabbit model of corneal epithelial defect. <i>Acta Biomaterialia</i> , 2019, 97, 310-320.	4.1	46
8	Prevalence and risk factors for myopia in second-grade primary school children in Taipei: A population-based study. <i>Journal of the Chinese Medical Association</i> , 2016, 79, 625-632.	0.6	45
9	An Update on Gene Therapy for Inherited Retinal Dystrophy: Experience in Leber Congenital Amaurosis Clinical Trials. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4534.	1.8	45
10	Carboxylated nanodiamond-mediated CRISPR-Cas9 delivery of human retinoschisis mutation into human iPSCs and mouse retina. <i>Acta Biomaterialia</i> , 2020, 101, 484-494.	4.1	42
11	Corneal neovascularization and contemporary antiangiogenic therapeutics. <i>Journal of the Chinese Medical Association</i> , 2015, 78, 323-330.	0.6	34
12	Subconjunctival dendrimer-drug therapy for the treatment of dry eye in a rabbit model of induced autoimmune dacryoadenitis. <i>Ocular Surface</i> , 2018, 16, 415-423.	2.2	32
13	Mitochondrial transport mediates survival of retinal ganglion cells in affected LHON patients. <i>Human Molecular Genetics</i> , 2020, 29, 1454-1464.	1.4	30
14	Expression of Endogenous Angiotensin-Converting Enzyme 2 in Human Induced Pluripotent Stem Cell-Derived Retinal Organoids. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1320.	1.8	28
15	Applications of biomaterials in corneal wound healing. <i>Journal of the Chinese Medical Association</i> , 2015, 78, 212-217.	0.6	26
16	Nanotechnology-based drug delivery treatments and specific targeting therapy for age-related macular degeneration. <i>Journal of the Chinese Medical Association</i> , 2015, 78, 635-641.	0.6	24
17	Retinal prostheses in degenerative retinal diseases. <i>Journal of the Chinese Medical Association</i> , 2015, 78, 501-505.	0.6	23
18	Prevalence and association of refractive anisometropia with near work habits among young schoolchildren: The evidence from a population-based study. <i>PLoS ONE</i> , 2017, 12, e0173519.	1.1	23

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19	Stem Cell Therapy for Corneal Regeneration Medicine and Contemporary Nanomedicine for Corneal Disorders. <i>Cell Transplantation</i> , 2015, 24, 1915-1930.	1.2	19
20	Diagnostic ability of macular ganglion cell asymmetry in Preperimetric Glaucoma. <i>BMC Ophthalmology</i> , 2019, 19, 12.	0.6	18
21	Animal models of dry eye: Their strengths and limitations for studying human dry eye disease. <i>Journal of the Chinese Medical Association</i> , 2021, 84, 459-464.	0.6	17
22	Expression profiling of cell-intrinsic regulators in the process of differentiation of human iPSCs into retinal lineages. <i>Stem Cell Research and Therapy</i> , 2018, 9, 140.	2.4	16
23	Retinal stem cells and potential cell transplantation treatments. <i>Journal of the Chinese Medical Association</i> , 2014, 77, 556-561.	0.6	14
24	Systolic blood pressure, choroidal thickness, and axial length in patients with myopic maculopathy. <i>Journal of the Chinese Medical Association</i> , 2014, 77, 487-491.	0.6	14
25	Assessment of retinal pigment epithelial cells in epiretinal membrane formation. <i>Journal of the Chinese Medical Association</i> , 2015, 78, 370-373.	0.6	14
26	Nanomedicine-based Curcumin Approach Improved ROS Damage in Best Dystrophy-specific Induced Pluripotent Stem Cells. <i>Cell Transplantation</i> , 2019, 28, 1345-1357.	1.2	14
27	Optical coherence tomography-based diabetic macula edema screening with artificial intelligence. <i>Journal of the Chinese Medical Association</i> , 2020, 83, 1034-1038.	0.6	14
28	Combination photodynamic therapy and intravitreal bevacizumab used to treat circumscribed choroidal hemangioma. <i>Journal of the Chinese Medical Association</i> , 2011, 74, 473-477.	0.6	13
29	Smartphone-based diabetic macula edema screening with an offline artificial intelligence. <i>Journal of the Chinese Medical Association</i> , 2020, 83, 1102-1106.	0.6	13
30	Precaution and prevention of coronavirus disease 2019 infection in the eye. <i>Journal of the Chinese Medical Association</i> , 2020, 83, 648-650.	0.6	13
31	Glutamate Stimulation Dysregulates AMPA Receptors-Induced Signal Transduction Pathway in Leber's Inherited Optic Neuropathy Patient-Specific hiPSC-Derived Retinal Ganglion Cells. <i>Cells</i> , 2019, 8, 625.	1.8	12
32	Study design, rationale and methods for a population-based study of myopia in schoolchildren: the Myopia Investigation Study in Taipei. <i>Clinical and Experimental Ophthalmology</i> , 2015, 43, 612-620.	1.3	11
33	Using induced pluripotent stem cell-derived conditional medium to attenuate the light-induced photodamaged retina of rats. <i>Journal of the Chinese Medical Association</i> , 2015, 78, 169-176.	0.6	10
34	Protective effect of metformin against retinal vein occlusions in diabetes mellitus: A nationwide population-based study. <i>PLoS ONE</i> , 2017, 12, e0188136.	1.1	10
35	Comparison of clinical outcomes of LASIK, Trans-PRK, and SMILE for correction of myopia. <i>Journal of the Chinese Medical Association</i> , 2022, 85, 145-151.	0.6	10
36	The era of artificial intelligence-based individualized telemedicine is coming. <i>Journal of the Chinese Medical Association</i> , 2020, 83, 981-983.	0.6	9

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37	Establishing Liposome-Immobilized Dexamethasone-Releasing PDMS Membrane for the Cultivation of Retinal Pigment Epithelial Cells and Suppression of Neovascularization. <i>International Journal of Molecular Sciences</i> , 2019, 20, 241.	1.8	8
38	Rapid resolution of stromal keratitis with the assistance of oral voriconazole in resistant acanthamoeba keratitis. <i>Taiwan Journal of Ophthalmology</i> , 2017, 7, 224.	0.3	8
39	Modulation of osmotic stress-induced TRPV1 expression rescues human iPSC-derived retinal ganglion cells through PKA. <i>Stem Cell Research and Therapy</i> , 2019, 10, 284.	2.4	7
40	Generation of induced pluripotent stem cells from a patient with X-linked juvenile retinoschisis. <i>Stem Cell Research</i> , 2018, 29, 152-156.	0.3	6
41	P3HT:Bebq2-Based Photovoltaic Device Enhances Differentiation of hiPSC-Derived Retinal Ganglion Cells. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2661.	1.8	6
42	<i>Synchysis scintillans</i> mimicking phacolytic glaucoma in a traumatic eye. <i>Kaohsiung Journal of Medical Sciences</i> , 2019, 35, 382-383.	0.8	6
43	Macular ganglion cell-inner plexiform vs retinal nerve fiber layer measurement to detect early glaucoma with superior or inferior hemifield defects. <i>Journal of the Chinese Medical Association</i> , 2019, 82, 335-339.	0.6	6
44	Dendrite-like anterior stromal keratitis coinfecting with <i>Acanthamoeba</i> and <i>Pseudomonas</i> in an orthokeratology contact lens wearer. <i>Taiwan Journal of Ophthalmology</i> , 2019, 9, 131.	0.3	6
45	Macular ganglion cell asymmetry for detecting paracentral scotoma in early glaucoma. <i>Clinical Ophthalmology</i> , 2018, Volume 12, 2253-2260.	0.9	5
46	Genome-Wide Polygenic Risk Score for Predicting High Risk Glaucoma Individuals of Han Chinese Ancestry. <i>Journal of Personalized Medicine</i> , 2021, 11, 1169.	1.1	5
47	Overnight orthokeratology-associated <i>Acanthamoeba</i> keratitis at a tertiary referral hospital in Taiwan: A retrospective case-control study. <i>Journal of the Chinese Medical Association</i> , 2022, 85, 381-387.	0.6	4
48	Generation of induced pluripotent stem cells from a patient with Best Dystrophy carrying 11q12.3 (BEST1 (VMD2)) mutation. <i>Stem Cell Research</i> , 2018, 29, 134-138.	0.3	3
49	Seasonal variation of refractive error change among young schoolchildren in a population-based cohort study in Taipei. <i>British Journal of Ophthalmology</i> , 2019, 103, 343-348.	2.1	2
50	A novelty route for smartphone-based artificial intelligence approach to ophthalmic screening. <i>Journal of the Chinese Medical Association</i> , 2020, 83, 898-899.	0.6	2
51	Glaucoma assessment in high myopic eyes using optical coherence tomography with long axial length normative database. <i>Journal of the Chinese Medical Association</i> , 2020, 83, 313-317.	0.6	2
52	Identification of Novel Genomic-Variant Patterns of OR56A5, OR52L1, and CTSD in Retinitis Pigmentosa Patients by Whole-Exome Sequencing. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5594.	1.8	2
53	Bilateral corneal edema in an alcoholic male. <i>Taiwan Journal of Ophthalmology</i> , 2021, 11, 175.	0.3	1
54	Bilateral corneal geographic ulcers in a patient with eczema herpeticum. <i>Kaohsiung Journal of Medical Sciences</i> , 2019, 35, 646-647.	0.8	0

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55	Clinical manifestation and current therapeutics in X-juvenile retinoschisis. Journal of the Chinese Medical Association, 2022, 85, 276-278.	0.6	0