Shih-Jen Chen

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/2297612/publications.pdf

Version: 2024-02-01

124 papers 4,639 citations

30 h-index 62 g-index

127 all docs

127 docs citations

times ranked

127

4626 citing authors

#	Article	IF	CITATIONS
1	EVEREST STUDY. Retina, 2012, 32, 1453-1464.	1.0	523
2	The Prevalence of Age-Related Macular Degeneration in Asians. Ophthalmology, 2010, 117, 921-927.	2.5	369
3	Polypoidal Choroidal Vasculopathy. Ophthalmology, 2018, 125, 708-724.	2.5	282
4	Myopic Choroidal Neovascularization. Ophthalmology, 2017, 124, 1690-1711.	2.5	263
5	Polypoidal Choroidal Vasculopathy. Ophthalmology, 2021, 128, 443-452.	2.5	261
6	POLYPOIDAL CHOROIDAL VASCULOPATHY. Retina, 2013, 33, 686-716.	1.0	239
7	Efficacy and Safety of Intravitreal Aflibercept for Polypoidal Choroidal Vasculopathy in the PLANET Study. JAMA Ophthalmology, 2018, 136, 786.	1.4	186
8	Neuroprotection by Imipramine against lipopolysaccharide-induced apoptosis in hippocampus-derived neural stem cells mediated by activation of BDNF and the MAPK pathway. European Neuropsychopharmacology, 2008, 18, 128-140.	0.3	131
9	Artificial intelligence-based decision-making for age-related macular degeneration. Theranostics, 2019, 9, 232-245.	4.6	116
10	Prevalence and Associated Risk Factors of Age-Related Macular Degeneration in an Elderly Chinese Population in Taiwan: The Shihpai Eye Study., 2008, 49, 3126.		114
11	Corneal repair by human corneal keratocyte-reprogrammed iPSCs and amphiphatic carboxymethyl-hexanoyl chitosan hydrogel. Biomaterials, 2012, 33, 8003-8016.	5.7	98
12	Point-of-Care Detection Devices for Food Safety Monitoring: Proactive Disease Prevention. Trends in Biotechnology, 2017, 35, 288-300.	4.9	92
13	Fluoxetine up-regulates expression of cellular FLICE-inhibitory protein and inhibits LPS-induced apoptosis in hippocampus-derived neural stem cell. Biochemical and Biophysical Research Communications, 2006, 343, 391-400.	1.0	86
14	Prevalence and Associated Risk Factors of Myopic Maculopathy in Elderly Chinese: The Shihpai Eye Study., 2012, 53, 4868.		85
15	Computer-Assisted Diagnosis for Diabetic Retinopathy Based on Fundus Images Using Deep Convolutional Neural Network. Mobile Information Systems, 2019, 2019, 1-14.	0.4	74
16	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. Frontiers in Aging Neuroscience, 2014, 6, 191.	1.7	71
17	Visual impairment in a Taiwanese population: Prevalence, causes, and socioeconomic factors. Ophthalmic Epidemiology, 2001, 8, 339-350.	0.8	70
18	Morphological and Molecular Defects in Human Three-Dimensional Retinal Organoid Model of X-Linked Juvenile Retinoschisis. Stem Cell Reports, 2019, 13, 906-923.	2.3	70

#	Article	IF	CITATIONS
19	Efficacy and Safety of Intravitreal Aflibercept for Polypoidal Choroidal Vasculopathy: Two-Year Results of the Aflibercept in Polypoidal Choroidal Vasculopathy Study. American Journal of Ophthalmology, 2019, 204, 80-89.	1.7	70
20	A novel in vitro retinal differentiation model by co-culturing adult human bone marrow stem cells with retinal pigmented epithelium cells. Biochemical and Biophysical Research Communications, 2005, 326, 578-585.	1.0	66
21	Haploinsufficiency of <i>RCBTB1 </i> is associated with Coats disease and familial exudative vitreoretinopathy. Human Molecular Genetics, 2016, 25, 1637-1647.	1.4	62
22	Age-Related Macular Degeneration and Risk of Degenerative Dementia among the Elderly in Taiwan. Ophthalmology, 2015, 122, 2327-2335.e2.	2.5	58
23	An Update on Mesoporous Silica Nanoparticle Applications in Nanomedicine. Pharmaceutics, 2021, 13, 1067.	2.0	57
24	Induction of Insulin-Producing Cells Derived from Endometrial Mesenchymal Stem-like Cells. Journal of Pharmacology and Experimental Therapeutics, 2010, 335, 817-829.	1.3	52
25	Antidepressant Administration Modulates Neural Stem Cell Survival and Serotoninergic Differentiation Through Bcl-2. Current Neurovascular Research, 2007, 4, 19-29.	0.4	49
26	An Update on Gene Therapy for Inherited Retinal Dystrophy: Experience in Leber Congenital Amaurosis Clinical Trials. International Journal of Molecular Sciences, 2021, 22, 4534.	1.8	45
27	Endogenous Candida endophthalmitis after induced abortion. American Journal of Ophthalmology, 1998, 125, 873-875.	1.7	43
28	Carboxylated nanodiamond-mediated CRISPR-Cas9 delivery of human retinoschisis mutation into human iPSCs and mouse retina. Acta Biomaterialia, 2020, 101, 484-494.	4.1	42
29	Bioactivity and gene expression profiles of hiPSC-generated retinal ganglion cells in MT-ND4 mutated Leber's hereditary optic neuropathy. Experimental Cell Research, 2018, 363, 299-309.	1.2	39
30	Elongation of Axon Extension for Human iPSC-Derived Retinal Ganglion Cells by a Nano-Imprinted Scaffold. International Journal of Molecular Sciences, 2017, 18, 2013.	1.8	36
31	Prevalence and Pattern of Geographic Atrophy in Asia. Ophthalmology, 2020, 127, 1371-1381.	2.5	34
32	Energy utilization of induced pluripotent stem cell-derived cardiomyocyte in Fabry disease. International Journal of Cardiology, 2017, 232, 255-263.	0.8	33
33	Mitochondrial transport mediates survival of retinal ganglion cells in affected LHON patients. Human Molecular Genetics, 2020, 29, 1454-1464.	1.4	30
34	Laminin modification subretinal bio-scaffold remodels retinal pigment epithelium-driven microenvironment <i>in vitro</i> and <i>in vivo</i> . Oncotarget, 2016, 7, 64631-64648.	0.8	29
35	Intra-Arterial Thrombolytic Therapy Is Not a Therapeutic Option for Filler-Related Central Retinal Artery Occlusion. Facial Plastic Surgery, 2018, 34, 325-329.	0.5	28
36	Expression of Endogenous Angiotensin-Converting Enzyme 2 in Human Induced Pluripotent Stem Cell-Derived Retinal Organoids. International Journal of Molecular Sciences, 2021, 22, 1320.	1.8	28

#	Article	IF	Citations
37	Stem Cell-Based Neuroprotective and Neurorestorative Strategies. International Journal of Molecular Sciences, 2010, 11, 2039-2055.	1.8	24
38	Nanotechnology-based drug delivery treatments and specific targeting therapy for age-related macular degeneration. Journal of the Chinese Medical Association, 2015, 78, 635-641.	0.6	24
39	Retinal prostheses in degenerative retinal diseases. Journal of the Chinese Medical Association, 2015, 78, 501-505.	0.6	23
40	Non-ICGA treatment criteria for Suboptimal Anti-VEGF Response for Polypoidal Choroidal Vasculopathy: APOIS PCV Workgroup Report 2. Ophthalmology Retina, 2021, 5, 945-953.	1.2	20
41	Comparison of the Proliferation and Differentiation Ability between Adult Rat Retinal Stem Cells and Cerebral Cortex-Derived Neural Stem Cells. Ophthalmologica, 2005, 219, 171-176.	1.0	18
42	Homozygosity Mapping and Whole-Genome Sequencing Links a Missense Mutation in POMGNT1 to Autosomal Recessive Retinitis Pigmentosa., 2016, 57, 3601.		18
43	Microaneurysm number and distribution in the macula of Chinese type 2 diabetics with early diabetic retinopathy: a population-based study in Kinmen, Taiwan. Acta Diabetologica, 2010, 47, 35-41.	1.2	17
44	Management and clinical outcomes of intraocular foreign bodies with the aid of orbital computed tomography. Journal of the Chinese Medical Association, 2014, 77, 433-436.	0.6	17
45	Expression profiling of cell-intrinsic regulators in the process of differentiation of human iPSCs into retinal lineages. Stem Cell Research and Therapy, 2018, 9, 140.	2.4	16
46	Parafoveal atrophy after human amniotic membrane graft for macular hole in patients with high myopia. British Journal of Ophthalmology, 2021, 105, 1002-1010.	2.1	16
47	Deep learning and ensemble stacking technique for differentiating polypoidal choroidal vasculopathy from neovascular age-related macular degeneration. Scientific Reports, 2021, 11, 7130.	1.6	15
48	Retinal stem cells and potential cell transplantation treatments. Journal of the Chinese Medical Association, 2014, 77, 556-561.	0.6	14
49	Systolic blood pressure, choroidal thickness, and axial length in patients with myopic maculopathy. Journal of the Chinese Medical Association, 2014, 77, 487-491.	0.6	14
50	Persistent exudative retinal detachment after photodynamic therapy and intravitreal bevacizumab injection for multiple retinal capillary hemangiomas in a patient with von Hippel–Lindau disease. Journal of the Chinese Medical Association, 2014, 77, 52-56.	0.6	14
51	Assessment of retinal pigment epithelial cells in epiretinal membrane formation. Journal of the Chinese Medical Association, 2015, 78, 370-373.	0.6	14
52	Generation of patient-specific induced pluripotent stem cells from Leber's hereditary optic neuropathy. Stem Cell Research, 2018, 28, 56-60.	0.3	14
53	Nanomedicine-based Curcumin Approach Improved ROS Damage in Best Dystrophy-specific Induced Pluripotent Stem Cells. Cell Transplantation, 2019, 28, 1345-1357.	1.2	14
54	Elevation of serum oxidative stress in patients with retina vein occlusions. Acta Ophthalmologica, 2019, 97, e290-e295.	0.6	14

#	Article	IF	CITATIONS
55	Optical coherence tomography–based diabetic macula edema screening with artificial intelligence. Journal of the Chinese Medical Association, 2020, 83, 1034-1038.	0.6	14
56	Comparison of the effect of reduced-fluence photodynamic therapy with intravitreal bevacizumab and standard-fluence alone for polypoidal choroidal vasculopathy. Journal of the Chinese Medical Association, 2014, 77, 101-107.	0.6	13
57	Inner Nuclear Layer Microcyst Configuration, Distribution, and Visual Prognosis in Patients With Epiretinal Membrane After Vitrectomy and Membrane Peeling. Scientific Reports, 2019, 9, 11570.	1.6	13
58	Smartphone-based diabetic macula edema screening with an offline artificial intelligence. Journal of the Chinese Medical Association, 2020, 83, 1102-1106.	0.6	13
59	Supercontinuum source-based multi-contrast optical coherence tomography for rat retina imaging. Biomedical Optics Express, 2018, 9, 6132.	1.5	13
60	Bilateral anterior uveitis after immunotherapy for malignant melanoma. Taiwan Journal of Ophthalmology, 2018, 8, 173.	0.3	13
61	POSTOPERATIVE INNER NUCLEAR LAYER MICROCYSTS AFFECTING LONG-TERM VISUAL OUTCOMES AFTER EPIRETINAL MEMBRANE SURGERY. Retina, 2016, 36, 2377-2383.	1.0	12
62	PREDICTIVE FACTORS OF VISUAL OUTCOME FOR VITREOMACULAR TRACTION SYNDROME AFTER VITRECTOMY. Retina, 2018, 38, 1533-1540.	1.0	12
63	Glutamate Stimulation Dysregulates AMPA Receptors-Induced Signal Transduction Pathway in Leber's Inherited Optic Neuropathy Patient-Specific hiPSC-Derived Retinal Ganglion Cells. Cells, 2019, 8, 625.	1.8	12
64	Management of polypoidal choroidal vasculopathy: Experts consensus in Taiwan. Journal of the Formosan Medical Association, 2020, 119, 569-576.	0.8	12
65	Visual prognosis of massive submacular hemorrhage in polypoidal choroidal vasculopathy with or without combination treatment. Journal of the Chinese Medical Association, 2016, 79, 159-165.	0.6	11
66	Acute macular edema and peripapillary soft exudate after pancreas transplantation with accelerated progression of diabetic retinopathy. Journal of the Chinese Medical Association, 2017, 80, 319-325.	0.6	10
67	Image quality and diagnostic accuracy of a handheld nonmydriatic fundus camera: Feasibility of a telemedical approach in screening retinal diseases. Journal of the Chinese Medical Association, 2020, 83, 962-966.	0.6	10
68	Protective effect of metformin against retinal vein occlusions in diabetes mellitus $\hat{a} \in A$ nationwide population-based study. PLoS ONE, 2017, 12, e0188136.	1.1	10
69	Prediction of treatment outcome in neovascular age-related macular degeneration using a novel convolutional neural network. Scientific Reports, 2022, 12, 5871.	1.6	10
70	Clinical characters and treatments of retinal vasoproliferative tumors. Taiwan Journal of Ophthalmology, 2016, 6, 85-88.	0.3	9
71	Priority options of anti-vascular endothelial growth factor agents in wet age-related macular degeneration under the National Health Insurance Program. Journal of the Chinese Medical Association, 2019, 82, 659-664.	0.6	9
72	Management of diabetic macular edema: experts' consensus in Taiwan. Japanese Journal of Ophthalmology, 2020, 64, 235-242.	0.9	9

#	Article	IF	Citations
73	Modifications of intravitreal injections in response to the COVID-19 pandemic. Journal of the Chinese Medical Association, 2021, 84, 827-832.	0.6	9
74	The era of artificial intelligence–based individualized telemedicine is coming. Journal of the Chinese Medical Association, 2020, 83, 981-983.	0.6	9
75	Acute renal failure after intravitreal antivascular endothelial growth factor therapy. Journal of the Formosan Medical Association, 2017, 116, 490-492.	0.8	8
76	Sensitivity, Specificity, and Limitations of Optical Coherence Tomography Angiography in Diagnosis of Polypoidal Choroidal Vasculopathy. Journal of Ophthalmology, 2017, 2017, 1-7.	0.6	8
77	Establishing Liposome-Immobilized Dexamethasone-Releasing PDMS Membrane for the Cultivation of Retinal Pigment Epithelial Cells and Suppression of Neovascularization. International Journal of Molecular Sciences, 2019, 20, 241.	1.8	8
78	EFFICACY AND SAFETY OF INTRAVITREAL AFLIBERCEPT AND RANIBIZUMAB IN ASIAN PATIENTS WITH NEOVASCULAR AGE-RELATED MACULAR DEGENERATION. Retina, 2019, 39, 537-547.	1.0	8
79	Changes in the Systemic Expression of Sirtuin-1 and Oxidative Stress after Intravitreal Anti-Vascular Endothelial Growth Factor in Patients with Retinal Vein Occlusion. Biomolecules, 2020, 10, 1414.	1.8	8
80	Comparison between Cryopreserved and Dehydrated Human Amniotic Membrane Graft in Treating Challenging Cases with Macular Hole and Macular Hole Retinal Detachment. Journal of Ophthalmology, 2020, 2020, 1-9.	0.6	8
81	Automatic Segmentation of Polypoidal Choroidal Vasculopathy from Indocyanine Green Angiography Using Spatial and Temporal Patterns. Translational Vision Science and Technology, 2015, 4, 7.	1.1	8
82	Vascular Tree Construction with Anatomical Realism for Retinal Images. , 2009, , .		7
83	Intraocular involvement of T-cell lymphoma presenting as inflammatory glaucoma, neurotrophic keratopathy, and choroidal detachment. Journal of the Chinese Medical Association, 2014, 77, 385-388.	0.6	7
84	Modulation of osmotic stress-induced TRPV1 expression rescues human iPSC-derived retinal ganglion cells through PKA. Stem Cell Research and Therapy, 2019, 10, 284.	2.4	7
85	Management of neovascular age-related macular degeneration: Taiwan expert consensus. Journal of the Formosan Medical Association, 2021, 120, 2061-2071.	0.8	7
86	Inhibition of DUSP6 Activates Autophagy and Rescues the Retinal Pigment Epithelium in Sodium lodate-Induced Retinal Degeneration Models In Vivo and In Vitro. Biomedicines, 2022, 10, 159.	1.4	7
87	Generation of induced pluripotent stem cells from a patient with X-linked juvenile retinoschisis. Stem Cell Research, 2018, 29, 152-156.	0.3	6
88	Treatment patterns in diabetic macular edema in Taiwan: a retrospective chart review. Clinical Ophthalmology, 2018, Volume 12, 2189-2198.	0.9	6
89	P3HT:Bebq2-Based Photovoltaic Device Enhances Differentiation of hiPSC-Derived Retinal Ganglion Cells. International Journal of Molecular Sciences, 2019, 20, 2661.	1.8	6
90	Flow signal change in polyps after anti-vascular endothelial growth factor therapy. PLoS ONE, 2020, 15, e0241230.	1.1	6

#	Article	IF	Citations
91	Three-Year Outcomes of Patients with Neovascular Age-Related Macular Degeneration Treated with Aflibercept under the National Health Insurance Program in Taiwan. Journal of Ophthalmology, 2020, 2020, 1-8.	0.6	5
92	Genome-Wide Polygenic Risk Score for Predicting High Risk Glaucoma Individuals of Han Chinese Ancestry. Journal of Personalized Medicine, 2021, 11, 1169.	1.1	5
93	Optimal approaches and criteria to treat-and-extend regimen implementation for Neovascular age-related macular degeneration: experts consensus in Taiwan. BMC Ophthalmology, 2022, 22, 25.	0.6	5
94	First implantation of retinal prosthesis in a patient with high myopia after surgery and rehabilitation program in Taiwan. Journal of the Chinese Medical Association, 2019, 82, 599-602.	0.6	4
95	Retinal Circular RNA hsa_circ_0087207 Expression Promotes Apoptotic Cell Death in Induced Pluripotent Stem Cell-Derived Leber's Hereditary Optic Neuropathy-like Models. Biomedicines, 2022, 10, 788.	1.4	4
96	Generation of induced pluripotent stem cells from a patient with Best Dystrophy carrying 11q12.3 (BEST1 (VMD2)) mutation. Stem Cell Research, 2018, 29, 134-138.	0.3	3
97	Characterization and functional correlation of multiple imaging modalities with focal choroidal excavation. Journal of the Chinese Medical Association, 2018, 81, 487-495.	0.6	3
98	Asymmetric bilateral retinitis in patient with subacute sclerosing panencephalitis. Kaohsiung Journal of Medical Sciences, 2019, 35, 578-579.	0.8	3
99	Visual outcomes and incidence of pseudophakic cystoid macular oedema in eyes with cataract and idiopathic epiretinal membrane after two-step sequential surgery. Eye, 2022, 36, 1597-1603.	1.1	3
100	Ocular syphilis mimicking Vogt–Koyanagi–Harada disease. Taiwan Journal of Ophthalmology, 2019, 9, 271.	0.3	3
101	Diagnosis of Polypoidal Choroidal Vasculopathy From Fluorescein Angiography Using Deep Learning. Translational Vision Science and Technology, 2022, 11, 6.	1.1	3
102	One-year outcomes of the treat-and-extend regimen using aflibercept for the treatment of diabetic macular edema. Journal of the Chinese Medical Association, 2022, 85, 246-251.	0.6	3
103	Automatic Segmentation of Retinal Fluid and Photoreceptor Layer from Optical Coherence Tomography Images of Diabetic Macular Edema Patients Using Deep Learning and Associations with Visual Acuity. Biomedicines, 2022, 10, 1269.	1.4	3
104	A novelty route for smartphone-based artificial intelligence approach to ophthalmic screening. Journal of the Chinese Medical Association, 2020, 83, 898-899.	0.6	2
105	Gene Therapy: Dual Supramolecular Nanoparticle Vectors Enable CRISPR/Cas9â€Mediated Knockin of Retinoschisin 1 Gene—A Potential Nonviral Therapeutic Solution for Xâ€Linked Juvenile Retinoschisis (Adv. Sci. 10/2020). Advanced Science, 2020, 7, 2070054.	5.6	2
106	Identification of Novel Genomic-Variant Patterns of OR56A5, OR52L1, and CTSD in Retinitis Pigmentosa Patients by Whole-Exome Sequencing. International Journal of Molecular Sciences, 2021, 22, 5594.	1.8	2
107	Phenotype Variability in the Patients of Familial Exudative Vitreoretinopathy: the RCBTB1 case. Current Eye Research, 2021, 46, 1931-1931.	0.7	2
108	Serpiginoid choroiditis associated with presumed ocular tuberculosis. Taiwan Journal of Ophthalmology, 2019, 9, 127.	0.3	2

#	Article	IF	Citations
109	Robust Pairwise Registration for Images of Indocyanine-Green Angiographic Sequences., 2009,,.		1
110	Automatic characterization and segmentation of classic choroidal neovascularization using Adaboost for supervised learning. , 2010, , .		1
111	Bilateral cytomegalovirus retinitis comorbid with diabetic macular edema. Taiwan Journal of Ophthalmology, 2019, 9, 122.	0.3	1
112	Development of polydimethylsiloxane-based biomimetic scaffolds with cylinder micropillars for retinal pigment epithelial cell cultivation. Journal of the Chinese Medical Association, 2020, 83, 1029-1033.	0.6	1
113	Experience of photodynamic therapy for choroidal neovascularization in Taiwan., 0, , .		0
114	Retinal detachment with a break at pars plicata associated with congenital malformation of the lens–zonule–ciliary body complex. Taiwan Journal of Ophthalmology, 2015, 5, 143-146.	0.3	0
115	Induced pluripotent stem cell–based leber hereditary optic neuropathy model. , 2021, , 277-292.		0
116	Progressive macular ischemia in retinal vasculopathy with cerebral leukodystrophy. European Journal of Ophthalmology, 2021, , 112067212110446.	0.7	0
117	Clinical manifestation and current therapeutics in X-juvenile retinoschisis. Journal of the Chinese Medical Association, 2022, 85, 276-278.	0.6	0
118	FACTORS RELATED TO UNFAVORABLE VISUAL OUTCOME AFTER IDIOPATHIC EPIRETINAL MEMBRANE SURGERY IN PATIENTS WITH GLAUCOMA. Retina, 2022, 42, 712-720.	1.0	0
119	Flow signal change in polyps after anti-vascular endothelial growth factor therapy. , 2020, 15, e0241230.		0
120	Flow signal change in polyps after anti-vascular endothelial growth factor therapy. , 2020, 15, e0241230.		0
121	Flow signal change in polyps after anti-vascular endothelial growth factor therapy. , 2020, 15, e0241230.		0
122	Flow signal change in polyps after anti-vascular endothelial growth factor therapy. , 2020, 15, e0241230.		0
123	Flow signal change in polyps after anti-vascular endothelial growth factor therapy. , 2020, 15, e0241230.		O
124	Flow signal change in polyps after anti-vascular endothelial growth factor therapy. , 2020, 15, e0241230.		0