Jennifer R Chao

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5678604/publications.pdf

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25 papers	1,195 citations	686830 13 h-index	642321 23 g-index
30 all docs	30 docs citations	30 times ranked	1586 citing authors

#	Article	IF	Citations
1	Biochemical adaptations of the retina and retinal pigment epithelium support a metabolic ecosystem in the vertebrate eye. ELife, 2017, 6, .	2.8	254
2	Syphilis: Reemergence of an Old Adversary. Ophthalmology, 2006, 113, 2074-2079.	2.5	170
3	User-guided segmentation for volumetric retinal optical coherence tomography images. Journal of Biomedical Optics, 2014, 19, 086020.	1.4	117
4	Wide-field optical coherence tomography based microangiography for retinal imaging. Scientific Reports, 2016, 6, 22017.	1.6	110
5	Reductive carboxylation is a major metabolic pathway in the retinal pigment epithelium. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 14710-14715.	3.3	94
6	Transplantation of Human Embryonic Stem Cell-Derived Retinal Cells into the Subretinal Space of a Non-Human Primate. Translational Vision Science and Technology, 2017, 6, 4.	1.1	72
7	Human retinal pigment epithelial cells prefer proline as a nutrient and transport metabolic intermediates to the retinal side. Journal of Biological Chemistry, 2017, 292, 12895-12905.	1.6	68
8	Proline mediates metabolic communication between retinal pigment epithelial cells and the retina. Journal of Biological Chemistry, 2019, 294, 10278-10289.	1.6	63
9	Microvascular Changes in the Choriocapillaris of Diabetic Patients Without Retinopathy Investigated by Swept-Source OCT Angiography. , 2020, 61, 50.		51
10	Retinal and choroidal vascular features in patients with retinitis pigmentosa imaged by OCT based microangiography. Graefe's Archive for Clinical and Experimental Ophthalmology, 2017, 255, 1287-1295.	1.0	35
11	Sorsby fundus dystrophy: Insights from the past and looking to the future. Journal of Neuroscience Research, 2019, 97, 88-97.	1.3	32
12	Proline metabolism and transport in retinal health and disease. Amino Acids, 2021, 53, 1789-1806.	1.2	27
13	Quantitative assessment of choriocapillaris flow deficits in diabetic retinopathy: A swept-source optical coherence tomography angiography study. PLoS ONE, 2020, 15, e0243830.	1.1	18
14	Optic Nerve Head Perfusion Before and After Intravitreal Antivascular Growth Factor Injections Using Optical Coherence Tomography-based Microangiography. Journal of Glaucoma, 2019, 28, 188-193.	0.8	17
15	Familial retinal arteriolar tortuosity and quantification of vascular tortuosity using swept-source optical coherence tomography angiography. American Journal of Ophthalmology Case Reports, 2019, 14, 74-78.	0.4	16
16	Inhibition of Mitochondrial Respiration Impairs Nutrient Consumption and Metabolite Transport in Human Retinal Pigment Epithelium. Journal of Proteome Research, 2021, 20, 909-922.	1.8	11
17	Human Fetal Keratocytes Have Multipotent Characteristics in the Developing Avian Embryo. Stem Cells and Development, 2013, 22, 2186-2195.	1.1	7
18	Retinal Neovascularization and Endogenous Fungal Endophthalmitis inÂIntravenous Drug Users. Ophthalmology, 2014, 121, 1847-1848.e2.	2.5	6

#	Article	IF	Citations
19	Extracellular matrix dysfunction in Sorsby patient-derived retinal pigment epithelium. Experimental Eye Research, 2022, 215, 108899.	1.2	6
20	The Current State of Genetic Testing Platforms for Inherited Retinal Diseases. Ophthalmology Retina, 2022, 6, 702-710.	1.2	6
21	Thomas A. Swiftâ€™s Electric Rifle Injuries to the Eye and Ocular Adnexa. Ophthalmology Retina, 2019, 3, 258-269.	1.2	4
22	Effect of prior glaucoma surgery on intraocular pressure immediately after anti-vascular endothelial growth factor injection. Graefe's Archive for Clinical and Experimental Ophthalmology, 2019, 257, 2489-2494.	1.0	3
23	Retinal disease: How to use proteomics to speed up diagnosis and metabolomics to slow down degeneration. EBioMedicine, 2020, 53, 102687.	2.7	3
24	An Update on Retinal Stem Cell Therapy. Current Ophthalmology Reports, 2013, 1, 113-121.	0.5	2
25	CAPTCHA as a Visual Performance Metric in Active Macular Disease. Journal of Ophthalmology, 2019, 2019, 1-6.	0.6	0