

Isabel Pinilla

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72
papers

2,302
citations

27
h-index

47
g-index

77
ext. papers

2,787
ext. citations

4.6
avg, IF

4.76
L-index

#	Paper	IF	Citations
72	Optic vesicle-like structures derived from human pluripotent stem cells facilitate a customized approach to retinal disease treatment. <i>Stem Cells</i> , 2011 , 29, 1206-18	5.8	321
71	Cellular responses following retinal injuries and therapeutic approaches for neurodegenerative diseases. <i>Progress in Retinal and Eye Research</i> , 2014 , 43, 17-75	20.5	248
70	Early changes in synaptic connectivity following progressive photoreceptor degeneration in RCS rats. <i>European Journal of Neuroscience</i> , 2005 , 22, 1057-72	3.5	121
69	Reproducibility and staging of 3D human retinal organoids across multiple pluripotent stem cell lines. <i>Development (Cambridge)</i> , 2019 , 146,	6.6	108
68	Choroidal thickness and volume in healthy young white adults and the relationships between them and axial length, ametropia and sex. <i>American Journal of Ophthalmology</i> , 2014 , 158, 574-83.e1	4.9	83
67	Changes in the inner and outer retinal layers after acute increase of the intraocular pressure in adult albino Swiss mice. <i>Experimental Eye Research</i> , 2010 , 91, 273-85	3.7	77
66	Tauroursodeoxycholic acid prevents retinal degeneration in transgenic P23H rats 2011 , 52, 4998-5008		72
65	Effect of combination therapy with bevacizumab and dexamethasone intravitreal implant in patients with retinal vein occlusion. <i>Retina</i> , 2012 , 32, 1289-94	3.6	71
64	Retinal ganglion cell numbers and delayed retinal ganglion cell death in the P23H rat retina. <i>Experimental Eye Research</i> , 2010 , 91, 800-10	3.7	67
63	Cellular Characterization of OCT and Outer Retinal Bands Using Specific Immunohistochemistry Markers and Clinical Implications. <i>Ophthalmology</i> , 2018 , 125, 407-422	7.3	64
62	Fourier-domain OCT in multiple sclerosis patients: reproducibility and ability to detect retinal nerve fiber layer atrophy 2011 , 52, 4124-31		60
61	Safranal, a saffron constituent, attenuates retinal degeneration in P23H rats. <i>PLoS ONE</i> , 2012 , 7, e43074	3.7	58
60	Intra and interoperator reproducibility of retinal nerve fibre and macular thickness measurements using Cirrus Fourier-domain OCT. <i>Acta Ophthalmologica</i> , 2011 , 89, e23-9	3.7	57
59	A novel serum-free method for culturing human prenatal retinal pigment epithelial cells. <i>Investigative Ophthalmology and Visual Science</i> , 2008 , 49, 788-99		56
58	Induced pluripotent stem cells as custom therapeutics for retinal repair: progress and rationale. <i>Experimental Eye Research</i> , 2014 , 123, 161-72	3.7	53
57	Astrocytes and Müller Cell Alterations During Retinal Degeneration in a Transgenic Rat Model of Retinitis Pigmentosa. <i>Frontiers in Cellular Neuroscience</i> , 2015 , 9, 484	6.1	50
56	Preservation of outer retina and its synaptic connectivity following subretinal injections of human RPE cells in the Royal College of Surgeons rat. <i>Experimental Eye Research</i> , 2007 , 85, 381-92	3.7	50

55	Reprogramming Müller glia via in vivo cell fusion regenerates murine photoreceptors. <i>Journal of Clinical Investigation</i> , 2016 , 126, 3104-16	15.9	47
54	Changes in the photoreceptor mosaic of P23H-1 rats during retinal degeneration: implications for rod-cone dependent survival 2013 , 54, 5888-900		42
53	Loss of MITF expression during human embryonic stem cell differentiation disrupts retinal pigment epithelium development and optic vesicle cell proliferation. <i>Human Molecular Genetics</i> , 2014 , 23, 6332-44	5.6	39
52	Interpretation of OCT and OCTA images from a histological approach: Clinical and experimental implications. <i>Progress in Retinal and Eye Research</i> , 2020 , 77, 100828	20.5	36
51	Predictive value of short-wavelength automated perimetry: a 3-year follow-up study. <i>Ophthalmology</i> , 2002 , 109, 761-5	7.3	34
50	Inherited Photoreceptor Degeneration Causes the Death of Melanopsin-Positive Retinal Ganglion Cells and Increases Their Coexpression of Brn3a 2015 , 56, 4592-604		33
49	Correlation between SD-OCT, immunocytochemistry and functional findings in an animal model of retinal degeneration. <i>Frontiers in Neuroanatomy</i> , 2014 , 8, 151	3.6	32
48	Controlled delivery of tauroursodeoxycholic acid from biodegradable microspheres slows retinal degeneration and vision loss in P23H rats. <i>PLoS ONE</i> , 2017 , 12, e0177998	3.7	32
47	Immunohistochemical evidence of synaptic retraction, cytoarchitectural remodeling, and cell death in the inner retina of the rat model of oxygen-induced retinopathy (OIR) 2011 , 52, 1693-708		28
46	Central retinal vein occlusion and HELLP syndrome. <i>Acta Ophthalmologica</i> , 2000 , 78, 596-8		28
45	Early Events in Retinal Degeneration Caused by Rhodopsin Mutation or Pigment Epithelium Malfunction: Differences and Similarities. <i>Frontiers in Neuroanatomy</i> , 2017 , 11, 14	3.6	27
44	Regulation of WNT Signaling by VSX2 During Optic Vesicle Patterning in Human Induced Pluripotent Stem Cells. <i>Stem Cells</i> , 2016 , 34, 2625-2634	5.8	23
43	Long time remodeling during retinal degeneration evaluated by optical coherence tomography, immunocytochemistry and fundus autofluorescence. <i>Experimental Eye Research</i> , 2016 , 150, 122-34	3.7	22
42	Age-related changes in photosensitive melanopsin-expressing retinal ganglion cells correlate with circadian rhythm impairments in sighted and blind rats. <i>Chronobiology International</i> , 2016 , 33, 374-91	3.6	20
41	Reproducibility and repeatability of Cirrus and Spectralis Fourier-domain optical coherence tomography of healthy and epiretinal membrane eyes. <i>Retina</i> , 2013 , 33, 1448-55	3.6	19
40	Study of spectral-domain optical coherence tomography in children: normal values and influence of age, sex, and refractive status. <i>European Journal of Ophthalmology</i> , 2016 , 26, 135-41	1.9	16
39	Correlation of Functional and Structural Measurements in Eyes Suspected of Having Glaucoma. <i>Journal of Glaucoma</i> , 1999 , 8, 172-176	2.1	15
38	Retinal Vascular Degeneration in the Transgenic P23H Rat Model of Retinitis Pigmentosa. <i>Frontiers in Neuroanatomy</i> , 2018 , 12, 55	3.6	14

37	CHOROIDAL THICKNESS AND VOLUME IN A HEALTHY PEDIATRIC POPULATION AND ITS RELATIONSHIP WITH AGE, AXIAL LENGTH, AMETROPIA, AND SEX. <i>Retina</i> , 2015 , 35, 2574-83	3.6	14
36	Hepatic oxidative stress in pigmented P23H rhodopsin transgenic rats with progressive retinal degeneration. <i>Free Radical Biology and Medicine</i> , 2018 , 124, 550-557	7.8	13
35	Evaluation of Total Corneal Thickness and Corneal Layers With Spectral-Domain Optical Coherence Tomography. <i>Journal of Refractive Surgery</i> , 2016 , 32, 27-32	3.3	13
34	Changes in frequency-doubling perimetry in patients with type I diabetes prior to retinopathy. <i>BioMed Research International</i> , 2013 , 2013, 341269	3	11
33	CHANGES IN TOTAL AND INNER RETINAL THICKNESSES IN TYPE 1 DIABETES WITH NO RETINOPATHY AFTER 8 YEARS OF FOLLOW-UP. <i>Retina</i> , 2020 , 40, 1379-1386	3.6	11
32	Repeatability of ocular measurements with a dual-Scheimpflug analyzer in healthy eyes. <i>BioMed Research International</i> , 2014 , 2014, 808646	3	10
31	Comparison of retinal nerve fiber layer thickness measurements in healthy subjects using fourier and time domain optical coherence tomography. <i>Journal of Ophthalmology</i> , 2012 , 2012, 107053	2	9
30	Comparison of anterior segment measurements obtained by three different devices in healthy eyes. <i>BioMed Research International</i> , 2014 , 2014, 498080	3	8
29	Epigallocatechin Gallate Slows Retinal Degeneration, Reduces Oxidative Damage, and Modifies Circadian Rhythms in P23H Rats. <i>Antioxidants</i> , 2020 , 9,	7.1	8
28	Assessment of Visual and Chromatic Functions in a Rodent Model of Retinal Degeneration 2015 , 56, 6275-83		7
27	Tracing the retina to analyze the integrity and phagocytic capacity of the retinal pigment epithelium. <i>Scientific Reports</i> , 2020 , 10, 7273	4.9	6
26	VSX2 and ASCL1 Are Indicators of Neurogenic Competence in Human Retinal Progenitor Cultures. <i>PLoS ONE</i> , 2015 , 10, e0135830	3.7	6
25	Evaluation of patient visual comfort and repeatability of refractive values in non-presbyopic healthy eyes. <i>International Journal of Ophthalmology</i> , 2015 , 8, 1031-6	1.4	6
24	Interocular Symmetry of Choroidal Thickness and Volume in Healthy Eyes on Optical Coherence Tomography. <i>Ophthalmic Research</i> , 2018 , 59, 81-87	2.9	6
23	Spectral attenuation of brain and retina tissues in the near-infrared range measured using a fiber-based supercontinuum device. <i>Journal of Biophotonics</i> , 2017 , 10, 1105-1109	3.1	5
22	Development of optokinetic tracking software for objective evaluation of visual function in rodents. <i>Scientific Reports</i> , 2018 , 8, 10009	4.9	5
21	Choroidal metastasis of mixed carcinoma of the parotid gland. <i>Graefets Archive for Clinical and Experimental Ophthalmology</i> , 1997 , 235, 541-3	3.8	5
20	Cocaine-induced preretinal haemorrhage in a young adult. <i>Acta Ophthalmologica</i> , 2007 , 85, 343-4		5

19	Microperimetry and Optical Coherence Tomography Changes in Type-1 Diabetes Mellitus without Retinopathy. <i>Diagnostics</i> , 2021 , 11,	3.8	3
18	Systemic epigallocatechin gallate protects against retinal degeneration and hepatic oxidative stress in the P23H-1 rat. <i>Neural Regeneration Research</i> , 2022 , 17, 625-631	4.5	3
17	Choroidal Changes of Long-Term Type 1 Diabetic Patients without Retinopathy. <i>Diagnostics</i> , 2020 , 10,	3.8	2
16	OPTICAL COHERENCE TOMOGRAPHY IN RETINITIS PIGMENTOSA. <i>Retina</i> , 2012 , Publish Ahead of Print,	3.6	2
15	Functional and structural measurements in a multifactorial glaucoma risk model. <i>Acta Ophthalmologica</i> , 2001 , 79, 10-4		2
14	Choroidal Thickness and Volume Modifications Induced by Aerobic Exercise in Healthy Young Adults. <i>Ophthalmic Research</i> , 2021 , 64, 604-612	2.9	2
13	Changes in retinal layers in type 1 diabetes mellitus without retinopathy measured by spectral domain and swept source OCTs. <i>Scientific Reports</i> , 2021 , 11, 10427	4.9	2
12	Evaluation of Visual and Nonvisual Levels of Daylight from Spectral Power Distributions Considering Orientation and Seasonality. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 5996	2.6	2
11	Inherited Retinal Dystrophies: Role of Oxidative Stress and Inflammation in Their Physiopathology and Therapeutic Implications. <i>Antioxidants</i> , 2022 , 11, 1086	7.1	2
10	Reply: To PMID 24907431. <i>American Journal of Ophthalmology</i> , 2015 , 159, 818-9	4.9	1
9	Choroidal and optic disk metastases of a laryngeal carcinoma. <i>Retinal Cases and Brief Reports</i> , 2011 , 5, 30-2	1.1	1
8	Effects of Daily Melatonin Supplementation on Visual Loss, Circadian Rhythms, and Hepatic Oxidative Damage in a Rodent Model of Retinitis Pigmentosa. <i>Antioxidants</i> , 2021 , 10,	7.1	1
7	Phenotypic Differences in a Mutation in Members of the Same Family Assessed with OCT and OCTA. <i>Diagnostics</i> , 2021 , 11,	3.8	1
6	Choroidal Differences between Spectral and Swept-source Domain Technologies. <i>Current Eye Research</i> , 2021 , 46, 239-247	2.9	1
5	Beyond visual acuity: Patient-relevant assessment measures of visual function in retinal diseases. <i>European Journal of Ophthalmology</i> , 2021 , 31, 3149-3156	1.9	1
4	Reply. <i>Ophthalmology</i> , 2018 , 125, e48-e49	7.3	1
3	Structural and functional findings in patients with moderate diabetic retinopathy. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 2021 , 259, 3625-3635	3.8	1
2	Analysis of Photopic and Melanopic Lighting in Teaching Environments. <i>Buildings</i> , 2021 , 11, 439	3.2	1

- 1 Response to letter to editor "Measuring of retina function using microperimetry in diabetic retinopathy". *Graefes Archive for Clinical and Experimental Ophthalmology*, **2021**, 260, 1037 3.8