Isabel Pinilla

List of Publications by Year
in descending order

76 papers	3,173 citations	257450 24 h-index	182427 51 g-index
77 all docs	77 docs citations	77 times ranked	3541 citing authors

#	Article	IF	Citations
1	Optic Vesicle-like Structures Derived from Human Pluripotent Stem Cells Facilitate a Customized Approach to Retinal Disease Treatment. Stem Cells, 2011, 29, 1206-1218.	3.2	413
2	Cellular responses following retinal injuries and therapeutic approaches for neurodegenerative diseases. Progress in Retinal and Eye Research, 2014, 43, 17-75.	15.5	338
3	Reproducibility and staging of 3D human retinal organoids across multiple pluripotent stem cell lines. Development (Cambridge), 2019, 146, .	2.5	203
4	Early changes in synaptic connectivity following progressive photoreceptor degeneration in RCS rats. European Journal of Neuroscience, 2005, 22, 1057-1072.	2.6	138
5	Cellular Characterization of OCT and Outer Retinal Bands Using Specific Immunohistochemistry Markers and Clinical Implications. Ophthalmology, 2018, 125, 407-422.	5.2	96
6	Choroidal Thickness and Volume in Healthy Young White Adults and the Relationships between them and Axial Length, Ammetropy and Sex. American Journal of Ophthalmology, 2014, 158, 574-583.e1.	3.3	94
7	OPTICAL COHERENCE TOMOGRAPHY IN RETINITIS PIGMENTOSA. Retina, 2012, 32, 1581-1591.	1.7	86
8	Astrocytes and MÃ¼ller Cell Alterations During Retinal Degeneration in a Transgenic Rat Model of Retinitis Pigmentosa. Frontiers in Cellular Neuroscience, 2015, 9, 484.	3.7	86
9	Changes in the inner and outer retinal layers after acute increase of the intraocular pressure in adult albino Swiss mice. Experimental Eye Research, 2010, 91, 273-285.	2.6	84
10	Tauroursodeoxycholic Acid Prevents Retinal Degeneration in Transgenic P23H Rats. , 2011, 52, 4998.		81
11	Retinal ganglion cell numbers and delayed retinal ganglion cell death in the P23H rat retina. Experimental Eye Research, 2010, 91, 800-810.	2.6	79
12	Interpretation of OCT and OCTA images from a histological approach: Clinical and experimental implications. Progress in Retinal and Eye Research, 2020, 77, 100828.	15.5	77
13	Reprogramming MÃ¼ller glia via in vivo cell fusion regenerates murine photoreceptors. Journal of Clinical Investigation, 2016, 126, 3104-3116.	8.2	77
14	Intra and interoperator reproducibility of retinal nerve fibre and macular thickness measurements using Cirrus Fourier-domain OCT. Acta Ophthalmologica, 2011, 89, e23-e29.	1.1	71
15	Safranal, a Saffron Constituent, Attenuates Retinal Degeneration in P23H Rats. PLoS ONE, 2012, 7, e43074.	2.5	70
16	A Novel Serum-Free Method for Culturing Human Prenatal Retinal Pigment Epithelial Cells. , 2008, 49, 788.		68
17	Fourier-Domain OCT in Multiple Sclerosis Patients: Reproducibility and Ability to Detect Retinal Nerve Fiber Layer Atrophy. , 2011, 52, 4124.		64
18	Changes in the Photoreceptor Mosaic of P23H-1 Rats During Retinal Degeneration: Implications for Rod-Cone Dependent Survival. , 2013, 54, 5888.		61

#	Article	IF	Citations
19	Induced pluripotent stem cells as custom therapeutics for retinal repair: Progress and rationale. Experimental Eye Research, 2014, 123, 161-172.	2.6	61
20	Correlation between SD-OCT, immunocytochemistry and functional findings in an animal model of retinal degeneration. Frontiers in Neuroanatomy, 2014, 8, 151.	1.7	55
21	Loss of MITF expression during human embryonic stem cell differentiation disrupts retinal pigment epithelium development and optic vesicle cell proliferation. Human Molecular Genetics, 2014, 23, 6332-6344.	2.9	55
22	Preservation of outer retina and its synaptic connectivity following subretinal injections of human RPE cells in the Royal College of Surgeons rat. Experimental Eye Research, 2007, 85, 381-392.	2.6	53
23	Early Events in Retinal Degeneration Caused by Rhodopsin Mutation or Pigment Epithelium Malfunction: Differences and Similarities. Frontiers in Neuroanatomy, 2017, 11, 14.	1.7	51
24	Predictive value of short-wavelength automated perimetry. Ophthalmology, 2002, 109, 761-765.	5.2	43
25	Regulation of WNT Signaling by VSX2 During Optic Vesicle Patterning in Human Induced Pluripotent Stem Cells. Stem Cells, 2016, 34, 2625-2634.	3.2	41
26	Controlled delivery of tauroursodeoxycholic acid from biodegradable microspheres slows retinal degeneration and vision loss in P23H rats. PLoS ONE, 2017, 12, e0177998.	2.5	39
27	Inherited Photoreceptor Degeneration Causes the Death of Melanopsin-Positive Retinal Ganglion Cells and Increases Their Coexpression of Brn3a. , 2015, 56, 4592.		38
28	Central retinal vein occlusion and HELLP syndrome. Acta Ophthalmologica, 2000, 78, 596-598.	0.3	37
29	Immunohistochemical Evidence of Synaptic Retraction, Cytoarchitectural Remodeling, and Cell Death in the Inner Retina of the Rat Model of Oygen-Induced Retinopathy (OIR). , 2011, 52, 1693.		30
30	Age-related changes in photosensitive melanopsin-expressing retinal ganglion cells correlate with circadian rhythm impairments in sighted and blind rats. Chronobiology International, 2016, 33, 374-391.	2.0	27
31	CHOROIDAL THICKNESS AND VOLUME IN A HEALTHY PEDIATRIC POPULATION AND ITS RELATIONSHIP WITH AGE, AXIAL LENGTH, AMETROPIA, AND SEX. Retina, 2015, 35, 2574-2583.	1.7	24
32	Long time remodeling during retinal degeneration evaluated by optical coherence tomography, immunocytochemistry and fundus autofluorescence. Experimental Eye Research, 2016, 150, 122-134.	2.6	24
33	Retinal Vascular Degeneration in the Transgenic P23H Rat Model of Retinitis Pigmentosa. Frontiers in Neuroanatomy, 2018, 12, 55.	1.7	22
34	CHANGES IN TOTAL AND INNER RETINAL THICKNESSES IN TYPE 1 DIABETES WITH NO RETINOPATHY AFTER 8 YEARS OF FOLLOW-UP. Retina, 2020, 40, 1379-1386.	1.7	22
35	Optical Coherence Tomography Angiography in Diabetic Patients: A Systematic Review. Biomedicines, 2022, 10, 88.	3.2	21
36	REPRODUCIBILITY AND REPEATABILITY OF CIRRUS AND SPECTRALIS FOURIER-DOMAIN OPTICAL COHERENCE TOMOGRAPHY OF HEALTHY AND EPIRETINAL MEMBRANE EYES. Retina, 2013, 33, 1448-1455.	1.7	20

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37	Study of Spectral-Domain Optical Coherence Tomography in Children: Normal Values and Influence of Age, Sex, and Refractive Status. European Journal of Ophthalmology, 2016, 26, 135-141.	1.3	20
38	Hepatic oxidative stress in pigmented P23H rhodopsin transgenic rats with progressive retinal degeneration. Free Radical Biology and Medicine, 2018, 124, 550-557.	2.9	20
39	Evaluation of Total Corneal Thickness and Corneal Layers With Spectral-Domain Optical Coherence Tomography. Journal of Refractive Surgery, 2016, 32, 27-32.	2.3	20
40	Correlation of Functional and Structural Measurements in Eyes Suspected of Having Glaucoma. Journal of Glaucoma, 1999, 8, 172???176.	1.6	18
41	Changes in Frequency-Doubling Perimetry in Patients with Type I Diabetes prior to Retinopathy. BioMed Research International, 2013, 2013, 1-7.	1.9	14
42	Epigallocatechin Gallate Slows Retinal Degeneration, Reduces Oxidative Damage, and Modifies Circadian Rhythms in P23H Rats. Antioxidants, 2020, 9, 718.	5.1	14
43	Inherited Retinal Dystrophies: Role of Oxidative Stress and Inflammation in Their Physiopathology and Therapeutic Implications. Antioxidants, 2022, 11, 1086.	5.1	14
44	Comparison of Anterior Segment Measurements Obtained by Three Different Devices in Healthy Eyes. BioMed Research International, 2014, 2014, 1-8.	1.9	13
45	Repeatability of Ocular Measurements with a Dual-Scheimpflug Analyzer in Healthy Eyes. BioMed Research International, 2014, 2014, 1-6.	1.9	12
46	VSX2 and ASCL1 Are Indicators of Neurogenic Competence in Human Retinal Progenitor Cultures. PLoS ONE, 2015, 10, e0135830.	2.5	12
47	Tracing the retina to analyze the integrity and phagocytic capacity of the retinal pigment epithelium. Scientific Reports, 2020, 10, 7273.	3.3	12
48	Comparison of Retinal Nerve Fiber Layer Thickness Measurements in Healthy Subjects Using Fourier and Time Domain Optical Coherence Tomography. Journal of Ophthalmology, 2012, 2012, 1-6.	1.3	11
49	Systemic epigallocatechin gallate protects against retinal degeneration and hepatic oxidative stress in the P23H-1 rat. Neural Regeneration Research, 2022, 17, 625.	3.0	10
50	Changes in retinal layers in type 1 diabetes mellitus without retinopathy measured by spectral domain and swept source OCTs. Scientific Reports, 2021, 11, 10427.	3.3	9
51	Analysis of Photopic and Melanopic Lighting in Teaching Environments. Buildings, 2021, 11, 439.	3.1	9
52	Assessment of Visual and Chromatic Functions in a Rodent Model of Retinal Degeneration. , 2015, 56, 6275.		8
53	Interocular Symmetry of Choroidal Thickness and Volume in Healthy Eyes on Optical Coherence Tomography. Ophthalmic Research, 2018, 59, 81-87.	1.9	8
54	Microperimetry and Optical Coherence Tomography Changes in Type-1 Diabetes Mellitus without Retinopathy. Diagnostics, 2021, 11, 136.	2.6	8

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55	Evaluation of patient visual comfort and repeatability of refractive values in non-presbyopic healthy eyes. International Journal of Ophthalmology, 2015, 8, 1031-6.	1.1	8
56	Cocaine-induced preretinal haemorrhage in a young adult. Acta Ophthalmologica, 2006, 85, 343-344.	0.3	7
57	Choroidal Changes of Long-Term Type 1 Diabetic Patients without Retinopathy. Diagnostics, 2020, 10, 235.	2.6	7
58	Phenotypic Differences in a PRPH2 Mutation in Members of the Same Family Assessed with OCT and OCTA. Diagnostics, 2021, 11, 777.	2.6	7
59	Choroidal metastasis of mixed carcinoma of the parotid gland. Graefe's Archive for Clinical and Experimental Ophthalmology, 1997, 235, 541-543.	1.9	6
60	Development of optokinetic tracking software for objective evaluation of visual function in rodents. Scientific Reports, 2018, 8, 10009.	3.3	6
61	Choroidal Differences between Spectral and Swept-source Domain Technologies. Current Eye Research, 2021, 46, 239-247.	1.5	6
62	Spectral attenuation of brain and retina tissues in the nearâ€infrared range measured using a fiberâ€based supercontinuum device. Journal of Biophotonics, 2017, 10, 1105-1109.	2.3	5
63	Structural and functional findings in patients with moderate diabetic retinopathy. Graefe's Archive for Clinical and Experimental Ophthalmology, 2021, 259, 3625-3635.	1.9	5
64	Effects of Daily Melatonin Supplementation on Visual Loss, Circadian Rhythms, and Hepatic Oxidative Damage in a Rodent Model of Retinitis Pigmentosa. Antioxidants, 2021, 10, 1853.	5.1	5
65	Reply. Ophthalmology, 2018, 125, e48-e49.	5.2	4
66	Evaluation of Visual and Nonvisual Levels of Daylight from Spectral Power Distributions Considering Orientation and Seasonality. Applied Sciences (Switzerland), 2021, 11, 5996.	2.5	4
67	Microperimetry-Assessed Functional Alterations and OCT-Changes in Patients after Retinal Detachment Surgery Using Pars Plana Vitrectomy and SF6 Tamponade. Diagnostics, 2021, 11, 1157.	2.6	4
68	Retinal Vascularization Abnormalities Studied by Optical Coherence Tomography Angiography (OCTA) in Type 2 Diabetic Patients with Moderate Diabetic Retinopathy. Diagnostics, 2022, 12, 379.	2.6	4
69	Functional and structural measurements in a multifactorial glaucoma risk model. Acta Ophthalmologica, 2001, 79, 10-14.	0.3	3
70	Beyond visual acuity: Patient-relevant assessment measures of visual function in retinal diseases. European Journal of Ophthalmology, 2021, 31, 112067212199062.	1.3	3
71	Choroidal Thickness and Volume Modifications Induced by Aerobic Exercise in Healthy Young Adults. Ophthalmic Research, 2021, 64, 604-612.	1.9	3
72	OPTICAL COHERENCE TOMOGRAPHY IN RETINITIS PIGMENTOSA. Retina, 2012, Publish Ahead of Print, .	1.7	2

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73	CHOROIDAL AND OPTIC DISK METASTASES OF A LARYNGEAL CARCINOMA. Retinal Cases and Brief Reports, 2011, 5, 30-32.	0.6	1
74	Reply. American Journal of Ophthalmology, 2015, 159, 818-819.	3.3	1
75	Oxidative Stress as a Main Contributor of Retinal Degenerative Diseases. Antioxidants, 2022, 11, 1190.	5.1	1
76	Response to letter to editor â€œMeasuring of retina function using microperimetry in diabetic retinopathyâ€• Graefe's Archive for Clinical and Experimental Ophthalmology, 2022, 260, 1037-1038.	1.9	0