

Isabel Pinilla

List of Publications by Year in descending order

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Version: 2024-02-01

76
papers

3,173
citations

257101

24
h-index

182168

51
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all docs

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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. <i>Stem Cells</i> , 2011, 29, 1206-1218.	1.4	413
2	Cellular responses following retinal injuries and therapeutic approaches for neurodegenerative diseases. <i>Progress in Retinal and Eye Research</i> , 2014, 43, 17-75.	7.3	338
3	Reproducibility and staging of 3D human retinal organoids across multiple pluripotent stem cell lines. <i>Development (Cambridge)</i> , 2019, 146, .	1.2	203
4	Early changes in synaptic connectivity following progressive photoreceptor degeneration in RCS rats. <i>European Journal of Neuroscience</i> , 2005, 22, 1057-1072.	1.2	138
5	Cellular Characterization of OCT and Outer Retinal Bands Using Specific Immunohistochemistry Markers and Clinical Implications. <i>Ophthalmology</i> , 2018, 125, 407-422.	2.5	96
6	Choroidal Thickness and Volume in Healthy Young White Adults and the Relationships between them and Axial Length, Ammetropy and Sex. <i>American Journal of Ophthalmology</i> , 2014, 158, 574-583.e1.	1.7	94
7	OPTICAL COHERENCE TOMOGRAPHY IN RETINITIS PIGMENTOSA. <i>Retina</i> , 2012, 32, 1581-1591.	1.0	86
8	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.	1.8	86
9	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, 273-285.	1.2	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. <i>Experimental Eye Research</i> , 2010, 91, 800-810.	1.2	79
12	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.	7.3	77
13	Reprogramming Müller glia via in vivo cell fusion regenerates murine photoreceptors. <i>Journal of Clinical Investigation</i> , 2016, 126, 3104-3116.	3.9	77
14	Intra and interoperator reproducibility of retinal nerve fibre and macular thickness measurements using Cirrus Fourier-domain OCT. <i>Acta Ophthalmologica</i> , 2011, 89, e23-e29.	0.6	71
15	Safranal, a Saffron Constituent, Attenuates Retinal Degeneration in P23H Rats. <i>PLoS ONE</i> , 2012, 7, e43074.	1.1	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

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19	Induced pluripotent stem cells as custom therapeutics for retinal repair: Progress and rationale. <i>Experimental Eye Research</i> , 2014, 123, 161-172.	1.2	61
20	Correlation between SD-OCT, immunocytochemistry and functional findings in an animal model of retinal degeneration. <i>Frontiers in Neuroanatomy</i> , 2014, 8, 151.	0.9	55
21	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, 6332-6344.	1.4	55
22	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, 381-392.	1.2	53
23	Early Events in Retinal Degeneration Caused by Rhodopsin Mutation or Pigment Epithelium Malfunction: Differences and Similarities. <i>Frontiers in Neuroanatomy</i> , 2017, 11, 14.	0.9	51
24	Predictive value of short-wavelength automated perimetry. <i>Ophthalmology</i> , 2002, 109, 761-765.	2.5	43
25	Regulation of WNT Signaling by VSX2 During Optic Vesicle Patterning in Human Induced Pluripotent Stem Cells. <i>Stem Cells</i> , 2016, 34, 2625-2634.	1.4	41
26	Controlled delivery of tauroursodeoxycholic acid from biodegradable microspheres slows retinal degeneration and vision loss in P23H rats. <i>PLoS ONE</i> , 2017, 12, e0177998.	1.1	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. <i>Acta Ophthalmologica</i> , 2000, 78, 596-598.	0.4	37
29	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.		30
30	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, 374-391.	0.9	27
31	CHOROIDAL THICKNESS AND VOLUME IN A HEALTHY PEDIATRIC POPULATION AND ITS RELATIONSHIP WITH AGE, AXIAL LENGTH, AMETROPIA, AND SEX. <i>Retina</i> , 2015, 35, 2574-2583.	1.0	24
32	Long time remodeling during retinal degeneration evaluated by optical coherence tomography, immunocytochemistry and fundus autofluorescence. <i>Experimental Eye Research</i> , 2016, 150, 122-134.	1.2	24
33	Retinal Vascular Degeneration in the Transgenic P23H Rat Model of Retinitis Pigmentosa. <i>Frontiers in Neuroanatomy</i> , 2018, 12, 55.	0.9	22
34	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.	1.0	22
35	Optical Coherence Tomography Angiography in Diabetic Patients: A Systematic Review. <i>Biomedicines</i> , 2022, 10, 88.	1.4	21
36	REPRODUCIBILITY AND REPEATABILITY OF CIRRUS AND SPECTRALIS FOURIER-DOMAIN OPTICAL COHERENCE TOMOGRAPHY OF HEALTHY AND EPIRETINAL MEMBRANE EYES. <i>Retina</i> , 2013, 33, 1448-1455.	1.0	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. <i>European Journal of Ophthalmology</i> , 2016, 26, 135-141.	0.7	20
38	Hepatic oxidative stress in pigmented P23H rhodopsin transgenic rats with progressive retinal degeneration. <i>Free Radical Biology and Medicine</i> , 2018, 124, 550-557.	1.3	20
39	Evaluation of Total Corneal Thickness and Corneal Layers With Spectral-Domain Optical Coherence Tomography. <i>Journal of Refractive Surgery</i> , 2016, 32, 27-32.	1.1	20
40	Correlation of Functional and Structural Measurements in Eyes Suspected of Having Glaucoma. <i>Journal of Glaucoma</i> , 1999, 8, 172-176.	0.8	18
41	Changes in Frequency-Doubling Perimetry in Patients with Type I Diabetes prior to Retinopathy. <i>BioMed Research International</i> , 2013, 2013, 1-7.	0.9	14
42	Epigallocatechin Gallate Slows Retinal Degeneration, Reduces Oxidative Damage, and Modifies Circadian Rhythms in P23H Rats. <i>Antioxidants</i> , 2020, 9, 718.	2.2	14
43	Inherited Retinal Dystrophies: Role of Oxidative Stress and Inflammation in Their Physiopathology and Therapeutic Implications. <i>Antioxidants</i> , 2022, 11, 1086.	2.2	14
44	Comparison of Anterior Segment Measurements Obtained by Three Different Devices in Healthy Eyes. <i>BioMed Research International</i> , 2014, 2014, 1-8.	0.9	13
45	Repeatability of Ocular Measurements with a Dual-Scheimpflug Analyzer in Healthy Eyes. <i>BioMed Research International</i> , 2014, 2014, 1-6.	0.9	12
46	VSX2 and ASCL1 Are Indicators of Neurogenic Competence in Human Retinal Progenitor Cultures. <i>PLoS ONE</i> , 2015, 10, e0135830.	1.1	12
47	Tracing the retina to analyze the integrity and phagocytic capacity of the retinal pigment epithelium. <i>Scientific Reports</i> , 2020, 10, 7273.	1.6	12
48	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, 1-6.	0.6	11
49	Systemic epigallocatechin gallate protects against retinal degeneration and hepatic oxidative stress in the P23H-1 rat. <i>Neural Regeneration Research</i> , 2022, 17, 625.	1.6	10
50	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.	1.6	9
51	Analysis of Photopic and Melanopic Lighting in Teaching Environments. <i>Buildings</i> , 2021, 11, 439.	1.4	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. <i>Ophthalmic Research</i> , 2018, 59, 81-87.	1.0	8
54	Microperimetry and Optical Coherence Tomography Changes in Type-1 Diabetes Mellitus without Retinopathy. <i>Diagnostics</i> , 2021, 11, 136.	1.3	8

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55	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.	0.5	8
56	Cocaine-induced preretinal haemorrhage in a young adult. <i>Acta Ophthalmologica</i> , 2006, 85, 343-344.	0.4	7
57	Choroidal Changes of Long-Term Type 1 Diabetic Patients without Retinopathy. <i>Diagnostics</i> , 2020, 10, 235.	1.3	7
58	Phenotypic Differences in a PRPH2 Mutation in Members of the Same Family Assessed with OCT and OCTA. <i>Diagnostics</i> , 2021, 11, 777.	1.3	7
59	Choroidal metastasis of mixed carcinoma of the parotid gland. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 1997, 235, 541-543.	1.0	6
60	Development of optokinetic tracking software for objective evaluation of visual function in rodents. <i>Scientific Reports</i> , 2018, 8, 10009.	1.6	6
61	Choroidal Differences between Spectral and Swept-source Domain Technologies. <i>Current Eye Research</i> , 2021, 46, 239-247.	0.7	6
62	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.	1.1	5
63	Structural and functional findings in patients with moderate diabetic retinopathy. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2021, 259, 3625-3635.	1.0	5
64	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, 1853.	2.2	5
65	Reply. <i>Ophthalmology</i> , 2018, 125, e48-e49.	2.5	4
66	Evaluation of Visual and Nonvisual Levels of Daylight from Spectral Power Distributions Considering Orientation and Seasonality. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 5996.	1.3	4
67	Microperimetry-Assessed Functional Alterations and OCT-Changes in Patients after Retinal Detachment Surgery Using Pars Plana Vitrectomy and SF6 Tamponade. <i>Diagnostics</i> , 2021, 11, 1157.	1.3	4
68	Retinal Vascularization Abnormalities Studied by Optical Coherence Tomography Angiography (OCTA) in Type 2 Diabetic Patients with Moderate Diabetic Retinopathy. <i>Diagnostics</i> , 2022, 12, 379.	1.3	4
69	Functional and structural measurements in a multifactorial glaucoma risk model. <i>Acta Ophthalmologica</i> , 2001, 79, 10-14.	0.4	3
70	Beyond visual acuity: Patient-relevant assessment measures of visual function in retinal diseases. <i>European Journal of Ophthalmology</i> , 2021, 31, 112067212199062.	0.7	3
71	Choroidal Thickness and Volume Modifications Induced by Aerobic Exercise in Healthy Young Adults. <i>Ophthalmic Research</i> , 2021, 64, 604-612.	1.0	3
72	OPTICAL COHERENCE TOMOGRAPHY IN RETINITIS PIGMENTOSA. <i>Retina</i> , 2012, Publish Ahead of Print, .	1.0	2

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73	CHOROIDAL AND OPTIC DISK METASTASES OF A LARYNGEAL CARCINOMA. Retinal Cases and Brief Reports, 2011, 5, 30-32.	0.3	1
74	Reply. American Journal of Ophthalmology, 2015, 159, 818-819.	1.7	1
75	Oxidative Stress as a Main Contributor of Retinal Degenerative Diseases. Antioxidants, 2022, 11, 1190.	2.2	1
76	Response to letter to editor "Measuring of retina function using microperimetry in diabetic retinopathy". Graefe's Archive for Clinical and Experimental Ophthalmology, 2022, 260, 1037-1038.	1.0	0