Pedro Lax

List of Publications by Year
in descending order

49 papers	1,807 citations	279798 23 h-index	302126 39 g-index
53 all docs	53 docs citations	53 times ranked	2201 citing authors

#	Article	IF	Citations
1	Cellular responses following retinal injuries and therapeutic approaches for neurodegenerative diseases. Progress in Retinal and Eye Research, 2014, 43, 17-75.	15.5	338
2	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
3	Tauroursodeoxycholic Acid Prevents Retinal Degeneration in Transgenic P23H Rats. , 2011, 52, 4998.		81
4	Microglia activation in a model of retinal degeneration and TUDCA neuroprotective effects. Journal of Neuroinflammation, 2014, 11, 186.	7.2	81
5	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
6	Safranal, a Saffron Constituent, Attenuates Retinal Degeneration in P23H Rats. PLoS ONE, 2012, 7, e43074.	2.5	70
7	Loss of Melanopsin-Expressing Ganglion Cell Subtypes and Dendritic Degeneration in the Aging Human Retina. Frontiers in Aging Neuroscience, 2017, 9, 79.	3.4	68
8	Fractional Ca 2+ current through human neuronal Î±7 nicotinic acetylcholine receptors. Cell Calcium, 2003, 34, 205-209.	2.4	61
9	Degeneration of human photosensitive retinal ganglion cells may explain sleep and circadian rhythms disorders in Parkinsonâ€™s disease. Acta Neuropathologica Communications, 2018, 6, 90.	5.2	56
10	Systemic inflammation induced by lipopolysaccharide aggravates inherited retinal dystrophy. Cell Death and Disease, 2018, 9, 350.	6.3	55
11	Neuroprotective effects of the cannabinoid agonist HU210 on retinal degeneration. Experimental Eye Research, 2014, 120, 175-185.	2.6	52
12	Dopaminergic Retinal Cell Loss and Visual Dysfunction in Parkinson Disease. Annals of Neurology, 2020, 88, 893-906.	5.3	52
13	Rotenone induces degeneration of photoreceptors and impairs the dopaminergic system in the rat retina. Neurobiology of Disease, 2011, 44, 102-115.	4.4	47
14	Persistent inflammatory state after photoreceptor loss in an animal model of retinal degeneration. Scientific Reports, 2016, 6, 33356.	3.3	47
15	Progesterone Attenuates Microglial-Driven Retinal Degeneration and Stimulates Protective Fractalkine-CX3CR1 Signaling. PLoS ONE, 2016, 11, e0165197.	2.5	44
16	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
17	Impairment of Intrinsically Photosensitive Retinal Ganglion Cells Associated With Late Stages of Retinal Degeneration. , 2013, 54, 4605.		36
18	Photosensitive Melanopsin-Containing Retinal Ganglion Cells in Health and Disease: Implications for Circadian Rhythms. International Journal of Molecular Sciences, 2019, 20, 3164.	4.1	36

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19	Natural Compounds from Saffron and Bear Bile Prevent Vision Loss and Retinal Degeneration. Molecules, 2015, 20, 13875-13893.	3.8	35
20	Proinsulin Slows Retinal Degeneration and Vision Loss in the P23H Rat Model of Retinitis Pigmentosa. Human Gene Therapy, 2012, 23, 1290-1300.	2.7	33
21	Circadian dysfunction in P23H rhodopsin transgenic rats: effects of exogenous melatonin. Journal of Pineal Research, 2011, 50, 183-191.	7.4	30
22	Neuroprotective Effect of Tauroursodeoxycholic Acid on N-Methyl-D-Aspartate-Induced Retinal Ganglion Cell Degeneration. PLoS ONE, 2015, 10, e0137826.	2.5	29
23	Circadian Dysfunction in a Rotenone-Induced Parkinsonian Rodent Model. Chronobiology International, 2012, 29, 147-156.	2.0	28
24	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
25	Repeated short-fasting modifies the macronutrient self-selection pattern in rats. Physiology and Behavior, 1998, 65, 69-76.	2.1	24
26	Evidence of alpha 7 nicotinic acetylcholine receptor expression in retinal pigment epithelial cells. Visual Neuroscience, 2010, 27, 139-147.	1.0	24
27	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
28	Gradual Increase in Environmental Light Intensity Induces Oxidative Stress and Inflammation and Accelerates Retinal Neurodegeneration. , 2020, 61, 1.		23
29	Retinal Vascular Degeneration in the Transgenic P23H Rat Model of Retinitis Pigmentosa. Frontiers in Neuroanatomy, 2018, 12, 55.	1.7	22
30	Food-Entrained Feeding and Locomotor Circadian Rhythms in Rats Under Different Lighting Conditions. Chronobiology International, 1999, 16, 281-291.	2.0	21
31	New Nrf2-Inducer Compound ITH12674 Slows the Progression of Retinitis Pigmentosa in the Mouse Model rd10. Cellular Physiology and Biochemistry, 2018, 54, 142-159.	1.6	18
32	Short-term high-fat feeding exacerbates degeneration in retinitis pigmentosa by promoting retinal oxidative stress and inflammation. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	18
33	Retinitis pigmentosa is associated with shifts in the gut microbiome. Scientific Reports, 2021, 11, 6692.	3.3	16
34	Inherited Retinal Dystrophies: Role of Oxidative Stress and Inflammation in Their Physiopathology and Therapeutic Implications. Antioxidants, 2022, 11, 1086.	5.1	14
35	Coupling effect of locomotor activity on the ratâ€™s circadian system. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 1998, 275, R580-R587.	1.8	12
36	Melatonin inhibits nicotinic currents in cultured rat cerebellar granule neurons. Journal of Pineal Research, 2007, 44, 070924025716001-???.	7.4	11

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37	The Absence of Toll-Like Receptor 4 Mildly Affects the Structure and Function in the Adult Mouse Retina. Frontiers in Cellular Neuroscience, 2019, 13, 59.	3.7	10
38	Nicotine modulates the spontaneous synaptic activity in cultured embryonic rat spinal cord interneurons. Journal of Neuroscience Research, 2002, 67, 329-336.	2.9	9
39	Decrease in DHA and other fatty acids correlates with photoreceptor degeneration in retinitis pigmentosa. Experimental Eye Research, 2021, 209, 108667.	2.6	9
40	Characterization of a new murine retinal cell line (MU-PH1) with glial, progenitor and photoreceptor characteristics. Experimental Eye Research, 2013, 110, 125-135.	2.6	8
41	A contact eatometer suitable for feeding restriction schedules. Physiology and Behavior, 1996, 59, 1179-1183.	2.1	7
42	Current and future therapeutic strategies for the treatment of retinal neurodegenerative diseases. Neural Regeneration Research, 2022, 17, 103.	3.0	7
43	Combined drug triads for synergic neuroprotection in retinal degeneration. Biomedicine and Pharmacotherapy, 2022, 149, 112911.	5.6	7
44	Sodium Hyaluronate-Induced Ocular Hypertension in Rats Damages the Direction-Selective Circuit and Inner/Outer Retinal Plexiform Layers. , 2022, 63, 2.		6
45	Cannabinoid-mediated retinal rescue correlates with improved circadian parameters in retinal dystrophic rats. Experimental Eye Research, 2019, 180, 192-199.	2.6	4
46	Food Entrainment to 4-h T Cycles in Rats Kept Under Constant Lighting Conditions. Physiology and Behavior, 1999, 67, 307-314.	2.1	2
47	Neuroprotective Effects of Tauroursodeoxicholic Acid Involves Vascular and Glial Changes in Retinitis Pigmentosa Model. Frontiers in Neuroanatomy, 2022, 16, 858073.	1.7	2
48	CHAPTER 1. The Cellular Course of Retinal Degenerative Conditions. RSC Drug Discovery Series, 2018, , 1-30.	0.3	1
49	Macronutrient Self-Selection Pattern in Rats under Different Lighting Conditions. Biological Rhythm Research, 2000, 31, 71-87.	0.9	0