

Pedro Lax

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

1,807
citations

279487

23
h-index

301761

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. <i>Progress in Retinal and Eye Research</i> , 2014, 43, 17-75. | 7.3 | 338 |
| 2 | 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 |
| 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. <i>Journal of Neuroinflammation</i> , 2014, 11, 186. | 3.1 | 81 |
| 5 | 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 |
| 6 | Safranal, a Saffron Constituent, Attenuates Retinal Degeneration in P23H Rats. <i>PLoS ONE</i> , 2012, 7, e43074. | 1.1 | 70 |
| 7 | Loss of Melanopsin-Expressing Ganglion Cell Subtypes and Dendritic Degeneration in the Aging Human Retina. <i>Frontiers in Aging Neuroscience</i> , 2017, 9, 79. | 1.7 | 68 |
| 8 | Fractional Ca ²⁺ current through human neuronal $\alpha 7$ nicotinic acetylcholine receptors. <i>Cell Calcium</i> , 2003, 34, 205-209. | 1.1 | 61 |
| 9 | Degeneration of human photosensitive retinal ganglion cells may explain sleep and circadian rhythms disorders in Parkinson's disease. <i>Acta Neuropathologica Communications</i> , 2018, 6, 90. | 2.4 | 56 |
| 10 | Systemic inflammation induced by lipopolysaccharide aggravates inherited retinal dystrophy. <i>Cell Death and Disease</i> , 2018, 9, 350. | 2.7 | 55 |
| 11 | Neuroprotective effects of the cannabinoid agonist HU210 on retinal degeneration. <i>Experimental Eye Research</i> , 2014, 120, 175-185. | 1.2 | 52 |
| 12 | Dopaminergic Retinal Cell Loss and Visual Dysfunction in Parkinson Disease. <i>Annals of Neurology</i> , 2020, 88, 893-906. | 2.8 | 52 |
| 13 | Rotenone induces degeneration of photoreceptors and impairs the dopaminergic system in the rat retina. <i>Neurobiology of Disease</i> , 2011, 44, 102-115. | 2.1 | 47 |
| 14 | Persistent inflammatory state after photoreceptor loss in an animal model of retinal degeneration. <i>Scientific Reports</i> , 2016, 6, 33356. | 1.6 | 47 |
| 15 | Progesterone Attenuates Microglial-Driven Retinal Degeneration and Stimulates Protective Fractalkine-CX3CR1 Signaling. <i>PLoS ONE</i> , 2016, 11, e0165197. | 1.1 | 44 |
| 16 | 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 |
| 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. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3164. | 1.8 | 36 |

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|----|--|-----|-----------|
| 19 | Natural Compounds from Saffron and Bear Bile Prevent Vision Loss and Retinal Degeneration. <i>Molecules</i> , 2015, 20, 13875-13893. | 1.7 | 35 |
| 20 | Proinsulin Slows Retinal Degeneration and Vision Loss in the P23H Rat Model of Retinitis Pigmentosa. <i>Human Gene Therapy</i> , 2012, 23, 1290-1300. | 1.4 | 33 |
| 21 | Circadian dysfunction in P23H rhodopsin transgenic rats: effects of exogenous melatonin. <i>Journal of Pineal Research</i> , 2011, 50, 183-191. | 3.4 | 30 |
| 22 | Neuroprotective Effect of Tauroursodeoxycholic Acid on N-Methyl-D-Aspartate-Induced Retinal Ganglion Cell Degeneration. <i>PLoS ONE</i> , 2015, 10, e0137826. | 1.1 | 29 |
| 23 | Circadian Dysfunction in a Rotenone-Induced Parkinsonian Rodent Model. <i>Chronobiology International</i> , 2012, 29, 147-156. | 0.9 | 28 |
| 24 | 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 |
| 25 | Repeated short-fasting modifies the macronutrient self-selection pattern in rats. <i>Physiology and Behavior</i> , 1998, 65, 69-76. | 1.0 | 24 |
| 26 | Evidence of alpha 7 nicotinic acetylcholine receptor expression in retinal pigment epithelial cells. <i>Visual Neuroscience</i> , 2010, 27, 139-147. | 0.5 | 24 |
| 27 | 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 |
| 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. <i>Frontiers in Neuroanatomy</i> , 2018, 12, 55. | 0.9 | 22 |
| 30 | Food-Entrained Feeding and Locomotor Circadian Rhythms in Rats Under Different Lighting Conditions. <i>Chronobiology International</i> , 1999, 16, 281-291. | 0.9 | 21 |
| 31 | New Nrf2-Inducer Compound ITH12674 Slows the Progression of Retinitis Pigmentosa in the Mouse Model rd10. <i>Cellular Physiology and Biochemistry</i> , 2018, 54, 142-159. | 1.1 | 18 |
| 32 | Short-term high-fat feeding exacerbates degeneration in retinitis pigmentosa by promoting retinal oxidative stress and inflammation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, . | 3.3 | 18 |
| 33 | Retinitis pigmentosa is associated with shifts in the gut microbiome. <i>Scientific Reports</i> , 2021, 11, 6692. | 1.6 | 16 |
| 34 | Inherited Retinal Dystrophies: Role of Oxidative Stress and Inflammation in Their Physiopathology and Therapeutic Implications. <i>Antioxidants</i> , 2022, 11, 1086. | 2.2 | 14 |
| 35 | Coupling effect of locomotor activity on the rat's circadian system. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 1998, 275, R580-R587. | 0.9 | 12 |
| 36 | Melatonin inhibits nicotinic currents in cultured rat cerebellar granule neurons. <i>Journal of Pineal Research</i> , 2007, 44, 070924025716001-??? | 3.4 | 11 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | The Absence of Toll-Like Receptor 4 Mildly Affects the Structure and Function in the Adult Mouse Retina. <i>Frontiers in Cellular Neuroscience</i> , 2019, 13, 59. | 1.8 | 10 |
| 38 | Nicotine modulates the spontaneous synaptic activity in cultured embryonic rat spinal cord interneurons. <i>Journal of Neuroscience Research</i> , 2002, 67, 329-336. | 1.3 | 9 |
| 39 | Decrease in DHA and other fatty acids correlates with photoreceptor degeneration in retinitis pigmentosa. <i>Experimental Eye Research</i> , 2021, 209, 108667. | 1.2 | 9 |
| 40 | Characterization of a new murine retinal cell line (MU-PH1) with glial, progenitor and photoreceptor characteristics. <i>Experimental Eye Research</i> , 2013, 110, 125-135. | 1.2 | 8 |
| 41 | A contact eatometer suitable for feeding restriction schedules. <i>Physiology and Behavior</i> , 1996, 59, 1179-1183. | 1.0 | 7 |
| 42 | Current and future therapeutic strategies for the treatment of retinal neurodegenerative diseases. <i>Neural Regeneration Research</i> , 2022, 17, 103. | 1.6 | 7 |
| 43 | Combined drug triads for synergic neuroprotection in retinal degeneration. <i>Biomedicine and Pharmacotherapy</i> , 2022, 149, 112911. | 2.5 | 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. <i>Experimental Eye Research</i> , 2019, 180, 192-199. | 1.2 | 4 |
| 46 | Food Entrainment to 4-h T Cycles in Rats Kept Under Constant Lighting Conditions. <i>Physiology and Behavior</i> , 1999, 67, 307-314. | 1.0 | 2 |
| 47 | Neuroprotective Effects of Tauroursodeoxycholic Acid Involves Vascular and Glial Changes in Retinitis Pigmentosa Model. <i>Frontiers in Neuroanatomy</i> , 2022, 16, 858073. | 0.9 | 2 |
| 48 | CHAPTER 1. The Cellular Course of Retinal Degenerative Conditions. <i>RSC Drug Discovery Series</i> , 2018, , 1-30. | 0.2 | 1 |
| 49 | Macronutrient Self-Selection Pattern in Rats under Different Lighting Conditions. <i>Biological Rhythm Research</i> , 2000, 31, 71-87. | 0.4 | 0 |