

# Laura Fernández-Sánchez

## List of Publications by Year in descending order

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Version: 2024-02-01

37  
papers

1,851  
citations

331670

21  
h-index

395702

33  
g-index

40  
all docs

40  
docs citations

40  
times ranked

2502  
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.	15.5	338
2	Functional and structural modifications during retinal degeneration in the rd10 mouse. <i>Neuroscience</i> , 2008, 155, 698-713.	2.3	179
3	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.	3.7	86
4	Abnormal activity of corneal cold thermoreceptors underlies the unpleasant sensations in dry eye disease. <i>Pain</i> , 2016, 157, 399-417.	4.2	86
5	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.	2.6	84
6	Tauroursodeoxycholic Acid Prevents Retinal Degeneration in Transgenic P23H Rats. , 2011, 52, 4998.		81
7	Microglia activation in a model of retinal degeneration and TUDCA neuroprotective effects. <i>Journal of Neuroinflammation</i> , 2014, 11, 186.	7.2	81
8	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.	15.5	77
9	Metal-Organic Frameworks as Drug Delivery Platforms for Ocular Therapeutics. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 1924-1931.	8.0	73
10	Safranal, a Saffron Constituent, Attenuates Retinal Degeneration in P23H Rats. <i>PLoS ONE</i> , 2012, 7, e43074.	2.5	70
11	Correlation between SD-OCT, immunocytochemistry and functional findings in an animal model of retinal degeneration. <i>Frontiers in Neuroanatomy</i> , 2014, 8, 151.	1.7	55
12	Time course modifications in organotypic culture of human neuroretina. <i>Experimental Eye Research</i> , 2012, 104, 26-38.	2.6	54
13	Phagocytosis of Photoreceptor Outer Segments by Transplanted Human Neural Stem Cells as a Neuroprotective Mechanism in Retinal Degeneration. , 2013, 54, 6745.		49
14	Loss of Outer Retinal Neurons and Circuitry Alterations in the DBA/2J Mouse. , 2014, 55, 6059.		48
15	Rotenone induces degeneration of photoreceptors and impairs the dopaminergic system in the rat retina. <i>Neurobiology of Disease</i> , 2011, 44, 102-115.	4.4	47
16	Retinal degeneration in two lines of transgenic S334ter rats. <i>Experimental Eye Research</i> , 2011, 92, 227-237.	2.6	45
17	Whole-exome sequencing reveals ZNF408 as a new gene associated with autosomal recessive retinitis pigmentosa with vitreal alterations. <i>Human Molecular Genetics</i> , 2015, 24, 4037-4048.	2.9	41
18	Controlled delivery of tauroursodeoxycholic acid from biodegradable microspheres slows retinal degeneration and vision loss in P23H rats. <i>PLoS ONE</i> , 2017, 12, e0177998.	2.5	39

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19	Age-related functional and structural retinal modifications in the <i>Igf1</i> <sup>0/0</sup> null mouse. <i>Neurobiology of Disease</i> , 2012, 46, 476-485.	4.4	35
20	Natural Compounds from Saffron and Bear Bile Prevent Vision Loss and Retinal Degeneration. <i>Molecules</i> , 2015, 20, 13875-13893.	3.8	35
21	Proinsulin Slows Retinal Degeneration and Vision Loss in the P23H Rat Model of Retinitis Pigmentosa. <i>Human Gene Therapy</i> , 2012, 23, 1290-1300.	2.7	33
22	Neuroprotective Effect of Tauroursodeoxycholic Acid on N-Methyl-D-Aspartate-Induced Retinal Ganglion Cell Degeneration. <i>PLoS ONE</i> , 2015, 10, e0137826.	2.5	29
23	Evidence of alpha 7 nicotinic acetylcholine receptor expression in retinal pigment epithelial cells. <i>Visual Neuroscience</i> , 2010, 27, 139-147.	1.0	24
24	Long time remodeling during retinal degeneration evaluated by optical coherence tomography, immunocytochemistry and fundus autofluorescence. <i>Experimental Eye Research</i> , 2016, 150, 122-134.	2.6	24
25	Retinal Vascular Degeneration in the Transgenic P23H Rat Model of Retinitis Pigmentosa. <i>Frontiers in Neuroanatomy</i> , 2018, 12, 55.	1.7	22
26	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.	1.6	18
27	Overexpression of Guanylate Cyclase Activating Protein 2 in Rod Photoreceptors In Vivo Leads to Morphological Changes at the Synaptic Ribbon. <i>PLoS ONE</i> , 2012, 7, e42994.	2.5	14
28	Inherited Retinal Dystrophies: Role of Oxidative Stress and Inflammation in Their Physiopathology and Therapeutic Implications. <i>Antioxidants</i> , 2022, 11, 1086.	5.1	14
29	Expression and cellular localization of the voltage-gated calcium channel $\alpha_2\delta_3$ in the rodent retina. <i>Journal of Comparative Neurology</i> , 2015, 523, 1443-1460.	1.6	13
30	Identification of the Photoreceptor Transcriptional Co-Repressor SAMD11 as Novel Cause of Autosomal Recessive Retinitis Pigmentosa. <i>Scientific Reports</i> , 2016, 6, 35370.	3.3	13
31	Topical axitinib is a potent inhibitor of corneal neovascularization. <i>Clinical and Experimental Ophthalmology</i> , 2018, 46, 1063-1074.	2.6	10
32	Role of GUCY1A1 in Primary Congenital Glaucoma and in the Retina: Functional Evaluation in Zebrafish. <i>Genes</i> , 2020, 11, 550.	2.4	10
33	Systemic epigallocatechin gallate protects against retinal degeneration and hepatic oxidative stress in the P23H-1 rat. <i>Neural Regeneration Research</i> , 2022, 17, 625.	3.0	10
34	Partial Rescue of Retinal Function in Chronically Hypoglycemic Mice. , 2012, 53, 915.		5
35	Evaluación de dos métodos de propagación para la conservación ex situ de tres melastomáceas altoandinas. <i>Caldasia</i> , 2020, 42, 129-141.	0.2	2
36	Neuroprotective Effects of Tauroursodeoxycholic Acid Involves Vascular and Glial Changes in Retinitis Pigmentosa Model. <i>Frontiers in Neuroanatomy</i> , 2022, 16, 858073.	1.7	2

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37	Expression and cellular localization of the voltage-gated calcium channel $\alpha_2\delta_3$ in the rodent retina. Journal of Comparative Neurology, 2015, 523, Spc1-Spc1.	1.6	0