

Juana Gallar

List of Publications by Year in descending order

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Version: 2024-02-01

71
papers

4,096
citations

236925

25
h-index

175258

52
g-index

75
all docs

75
docs citations

75
times ranked

2327
citing authors

#	ARTICLE	IF	CITATIONS
1	Membrane potential instabilities in sensory neurons: mechanisms and pathophysiological relevance. <i>Pain</i> , 2022, 163, 64-74.	4.2	6
2	Small fiber neuropathy in the cornea of Covid-19 patients associated with the generation of ocular surface disease. <i>Ocular Surface</i> , 2022, 23, 40-48.	4.4	24
3	A genetic compensatory mechanism regulated by Jun and Mef2d modulates the expression of distinct class IIa Hdacs to ensure peripheral nerve myelination and repair. <i>ELife</i> , 2022, 11, .	6.0	3
4	Epithelial and sensory mechanisms of nasal hyperreactivity. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2022, 77, 1450-1463.	5.7	13
5	An Experimental Model of Neuro-immune Interactions in the Eye: Corneal Sensory Nerves and Resident Dendritic Cells. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2997.	4.1	7
6	OSDI Questions on Daily Life Activities Allow to Detect Subclinical Dry Eye in Young Contact Lens Users. <i>Journal of Clinical Medicine</i> , 2022, 11, 2626.	2.4	4
7	Sodium Channel Blockers Modulate Abnormal Activity of Regenerating Nociceptive Corneal Nerves After Surgical Lesion. , 2021, 62, 2.		13
8	Acute Increase in Blood \pm CGRP at Maximal Exercise and Its Association to Cardiorespiratory Fitness, Carbohydrate Oxidation and Work Performed: An Exploratory Study in Young Men. <i>Biology</i> , 2021, 10, 783.	2.8	2
9	Optical Assessment of Nociceptive TRP Channel Function at the Peripheral Nerve Terminal. <i>International Journal of Molecular Sciences</i> , 2021, 22, 481.	4.1	5
10	Deciphering the Action of Perfluorohexyloctane Eye Drops to Reduce Ocular Discomfort and Pain. <i>Frontiers in Medicine</i> , 2021, 8, 709712.	2.6	10
11	Unilateral Corneal Insult Also Alters Sensory Nerve Activity in the Contralateral Eye. <i>Frontiers in Medicine</i> , 2021, 8, 767967.	2.6	7
12	Topical treatment with a mu opioid receptor agonist alleviates corneal allodynia and corneal nerve sensitization in mice. <i>Biomedicine and Pharmacotherapy</i> , 2020, 132, 110794.	5.6	12
13	Effects of corneal injury on ciliary nerve fibre activity and corneal nociception in mice: A behavioural and electrophysiological study. <i>European Journal of Pain</i> , 2019, 23, 589-602.	2.8	22
14	Morphological and functional changes in TRPM8-expressing corneal cold thermoreceptor neurons during aging and their impact on tearing in mice. <i>Journal of Comparative Neurology</i> , 2018, 526, 1859-1874.	1.6	47
15	Melanopsin expression in the cornea. <i>Visual Neuroscience</i> , 2018, 35, E004.	1.0	33
16	Inhibitory Effect of Amitriptyline on the Impulse Activity of Cold Thermoreceptor Terminals of Intact and Tear-Deficient Guinea Pig Corneas. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 2018, 34, 195-203.	1.4	6
17	Cover Image, Volume 526, Issue 11. <i>Journal of Comparative Neurology</i> , 2018, 526, C1-C1.	1.6	0
18	Functional and Morphologic Alterations in Mechanical, Polymodal, and Cold Sensory Nerve Fibers of the Cornea Following Photorefractive Keratectomy. , 2018, 59, 2281.		26

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19	The Effect of Tear Supplementation with 0.15% Preservative-Free Zinc-Hyaluronate on Ocular Surface Sensations in Patients with Dry Eye. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 2017, 33, 487-492.	1.4	5
20	Functional Properties of Sensory Nerve Terminals of the Mouse Cornea. , 2017, 58, 404.		71
21	Lacosamide diminishes dryness-induced hyperexcitability of corneal cold sensitive nerve terminals. <i>European Journal of Pharmacology</i> , 2016, 787, 2-8.	3.5	7
22	Abnormal activity of corneal cold thermoreceptors underlies the unpleasant sensations in dry eye disease. <i>Pain</i> , 2016, 157, 399-417.	4.2	86
23	The Effect of Tear Supplementation on Ocular Surface Sensations during the Interblink Interval in Patients with Dry Eye. <i>PLoS ONE</i> , 2015, 10, e0135629.	2.5	11
24	Corneal Sensitivity and Dry Eye Symptoms in Patients with Keratoconus. <i>PLoS ONE</i> , 2015, 10, e0141621.	2.5	26
25	What Causes Eye Pain?. <i>Current Ophthalmology Reports</i> , 2015, 3, 111-121.	1.2	148
26	Acid-sensing ion channels detect moderate acidifications to induce ocular pain. <i>Pain</i> , 2015, 156, 483-495.	4.2	47
27	Preclinical pharmacology, ocular tolerability and ocular hypotensive efficacy of a novel non-peptide bradykinin mimetic small molecule. <i>Experimental Eye Research</i> , 2014, 128, 170-180.	2.6	10
28	Expression of Cholecystokinin, Gastrin, and Their Receptors in the Mouse Cornea. , 2014, 55, 1965.		15
29	Tear fluid hyperosmolality increases nerve impulse activity of cold thermoreceptor endings of the cornea. <i>Pain</i> , 2014, 155, 1481-1491.	4.2	105
30	Corneal Sensory Nerve Activity in an Experimental Model of UV Keratitis. , 2014, 55, 3403.		48
31	Changes in sensory activity of ocular surface sensory nerves during allergic keratoconjunctivitis. <i>Pain</i> , 2013, 154, 2353-2362.	4.2	55
32	The TFOS International Workshop on Contact Lens Discomfort: Report of the Subcommittee on Neurobiology. , 2013, 54, TFOS71.		79
33	Regenerative Approaches as Alternatives to Donor Allografting for Restoration of Corneal Function. <i>Ocular Surface</i> , 2012, 10, 170-183.	4.4	43
34	Corneal Sensitivity in Diabetic Patients Subjected to Retinal Laser Photocoagulation. , 2011, 52, 6043.		33
35	Cold Thermoreceptors, Unexpected Players in Tear Production and Ocular Dryness Sensations. , 2011, 52, 3888.		133
36	Sensory Innervation of the Eye. , 2011, , 363-384.		15

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37	Regeneration of functional nerves within full thickness collagen-phosphorylcholine corneal substitute implants in guinea pigs. <i>Biomaterials</i> , 2010, 31, 2770-2778.	11.4	65
38	Ocular surface wetness is regulated by TRPM8-dependent cold thermoreceptors of the cornea. <i>Nature Medicine</i> , 2010, 16, 1396-1399.	30.7	270
39	Selective Changes in Human Corneal Sensation Associated with Herpes Simplex Virus Keratitis. , 2010, 51, 4516.		57
40	Decreased Corneal Sensitivity and Tear Production in Fibromyalgia. , 2009, 50, 4129.		29
41	Adenine nucleotide effect on intraocular pressure: Involvement of the parasympathetic nervous system. <i>Experimental Eye Research</i> , 2009, 89, 63-70.	2.6	16
42	Impulse Activity in Corneal Sensory Nerve Fibers after Photorefractive Keratectomy. , 2007, 48, 4033.		48
43	Comparative Effects of the Nonsteroidal Anti-inflammatory Drug Nepafenac on Corneal Sensory Nerve Fibers Responding to Chemical Irritation. , 2007, 48, 182.		26
44	Influence of age, gender and iris color on mechanical and chemical sensitivity of the cornea and conjunctiva. <i>Experimental Eye Research</i> , 2006, 83, 932-938.	2.6	61
45	Increased Levels of Diadenosine Polyphosphates in Dry Eye. , 2006, 47, 4053.		40
46	Changes in Mechanical, Chemical, and Thermal Sensitivity of the Cornea after Topical Application of Nonsteroidal Anti-inflammatory Drugs. , 2005, 46, 282.		33
47	Decreased Corneal Sensitivity in Patients with Dry Eye. , 2005, 46, 2341.		212
48	Corneal Sensitivity to Mechanical and Chemical Stimulation After LASIK/Reply. <i>Journal of Refractive Surgery</i> , 2005, 21, 764-764.	2.3	0
49	Tear Secretion Induced by Selective Stimulation of Corneal and Conjunctival Sensory Nerve Fibers. , 2004, 45, 2333.		91
50	Neural basis of sensation in intact and injured corneas. <i>Experimental Eye Research</i> , 2004, 78, 513-525.	2.6	438
51	Nerves and Sensations from the Eye Surface. <i>Ocular Surface</i> , 2004, 2, 248-253.	4.4	181
52	Recovery of Corneal Sensitivity to Mechanical and Chemical Stimulation After Laser in situ Keratomileusis. <i>Journal of Refractive Surgery</i> , 2004, 20, 229-235.	2.3	51
53	Recovery of corneal sensitivity to mechanical and chemical stimulation after laser in situ keratomileusis. <i>Journal of Refractive Surgery</i> , 2004, 20, 229-35.	2.3	16
54	Activation of Scleral Cold Thermoreceptors by Temperature and Blood Flow Changes. , 2003, 44, 697.		27

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55	Molecular Determinants of the Sensory and Motor Neuron-derived Factor Insertion into Plasma Membrane. <i>Journal of Biological Chemistry</i> , 2002, 277, 19905-19912.	3.4	25
56	Three-dimensional reconstruction of scleral cold thermoreceptors of the cat eye. <i>Journal of Comparative Neurology</i> , 2001, 441, 148-154.	1.6	13
57	Sensory experiences in humans and single-unit activity in cats evoked by polymodal stimulation of the cornea. <i>Journal of Physiology</i> , 2001, 534, 511-525.	2.9	130
58	Responses of nerve fibres of the rat saphenous nerve neuroma to mechanical and chemical stimulation: an in vitro study. <i>Journal of Physiology</i> , 2000, 527, 305-313.	2.9	51
59	Arginine-rich peptides are blockers of VR-1 channels with analgesic activity. <i>FEBS Letters</i> , 2000, 481, 131-136.	2.8	54
60	Quantification and immunocytochemical characteristics of trigeminal ganglion neurons projecting to the cornea: Effect of corneal wounding. <i>European Journal of Pain</i> , 1999, 3, 31-39.	2.8	65
61	The Influence of Eye Solutions on Blinking and Ocular Comfort at Rest and During Work at Video Display Terminals. <i>Experimental Eye Research</i> , 1999, 68, 663-669.	2.6	157
62	Neurobiology of ocular pain. <i>Progress in Retinal and Eye Research</i> , 1997, 16, 117-156.	15.5	167
63	In vivocAMP level in rabbit iris-ciliary body after topical epinephrine treatment. <i>Current Eye Research</i> , 1996, 15, 1025-1032.	1.5	12
64	CO2Stimulation of the Cornea: A Comparison Between Human Sensation and Nerve Activity in Polymodal Nociceptive Afferents of the Cat. <i>European Journal of Neuroscience</i> , 1995, 7, 1154-1163.	2.6	109
65	Irritation of the anterior segment of the eye by ultraviolet radiation: influence of nerve blockade and calcium antagonists. <i>Current Eye Research</i> , 1995, 14, 827-835.	1.5	19
66	Influence of diltiazem on the ocular irritative response to nitrogen mustard. <i>Experimental Eye Research</i> , 1995, 61, 205-212.	2.6	17
67	Polymodality in Nociceptive Neurons: Experimental Models of Chemotransduction., 1994, , 87-117.		13
68	Response of sensory units with unmyelinated fibres to mechanical, thermal and chemical stimulation of the cat's cornea.. <i>Journal of Physiology</i> , 1993, 468, 609-622.	2.9	183
69	Blockade by calcium antagonists of chemical excitation and sensitization of polymodal nociceptors in the cat's cornea.. <i>Journal of Physiology</i> , 1992, 450, 179-189.	2.9	29
70	Polymodal nociceptors and neurogenic inflammation in the cornea. <i>Experimental Eye Research</i> , 1992, 55, 53.	2.6	1
71	Excitation by irritant chemical substances of sensory afferent units in the cat's cornea.. <i>Journal of Physiology</i> , 1991, 437, 709-725.	2.9	211