Monica L Acosta

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

54 papers	1,107 citations	21 h-index	30 g-index
58 ext. papers	1,353 ext. citations	4.2 avg, IF	4.46 L-index

#	Paper	IF	Citations
54	Connexin43 in retinal injury and disease. *Progress in Retinal and Eye Research*, **2016**, 51, 41-68	20.5	66
53	Alzheimer's disease in the human eye. Clinical tests that identify ocular and visual information processing deficit as biomarkers. *Alzheimer's and Dementia*, **2014**, 10, 251-61	1.2	65
52	The inflammasome pathway is amplified and perpetuated in an autocrine manner through connexin43 hemichannel mediated ATP release. *Biochimica Et Biophysica Acta - General Subjects*, **2018**, 1862, 385-393	4	54
51	Glutamate metabolic pathways and retinal function. *Journal of Neurochemistry*, **2009**, 111, 589-99	6	46
50	Creatine transporter localization in developing and adult retina: importance of creatine to retinal function. *American Journal of Physiology - Cell Physiology*, **2005**, 289, C1015-23	5.4	43
49	Using the rd1 mouse to understand functional and anatomical retinal remodelling and treatment implications in retinitis pigmentosa: A review. *Experimental Eye Research*, **2016**, 150, 106-21	3.7	38
48	Alzheimer's Disease-Related Protein Expression in the Retina of Octodon degus. *PLoS ONE*, **2015**, 10, e0135499	3.7	38
47	Early markers of retinal degeneration in rd/rd mice. *Molecular Vision*, **2005**, 11, 717-28	2.3	36
46	Connexin43 Mimetic Peptide Improves Retinal Function and Reduces Inflammation in a Light-Damaged Albino Rat Model **2016**, 57, 3961-73		35
45	Octodon degus (Molina 1782): a model in comparative biology and biomedicine. *Cold Spring Harbor Protocols*, **2013**, 2013, 312-8	1.2	30
44	Tonabersat Prevents Inflammatory Damage in the Central Nervous System by Blocking Connexin43 Hemichannels. *Neurotherapeutics*, **2017**, 14, 1148-1165	6.4	30
43	Anatomical specializations for nocturnality in a critically endangered parrot, the Kakapo (Strigops habroptilus). *PLoS ONE*, **2011**, 6, e22945	3.7	29
42	Functional activation of glutamate ionotropic receptors in the developing mouse retina. *Journal of Comparative Neurology*, **2007**, 500, 923-41	3.4	29
41	Retinal amino acid neurochemistry in health and disease. *Australasian journal of optometry, The*, **2013**, 96, 310-32	2.7	26
40	Intravitreal pro-inflammatory cytokines in non-obese diabetic mice: Modelling signs of diabetic retinopathy. *PLoS ONE*, **2018**, 13, e0202156	3.7	25
39	Sustained Connexin43 Mimetic Peptide Release From Loaded Nanoparticles Reduces Retinal and Choroidal Photodamage **2018**, 59, 3682-3693		24
38	Functional and anatomical remodeling in human retinal detachment. *Experimental Eye Research*, **2012**, 97, 73-89	3.7	24

37	Sildenafil alters retinal function in mouse carriers of retinitis pigmentosa. *Experimental Eye Research*, **2014**, 128, 43-56	3.7	23
36	Connexin43 hemichannel block protects against the development of diabetic retinopathy signs in a mouse model of the disease. *Journal of Molecular Medicine*, **2019**, 97, 215-229	5.5	22
35	Light exposure causes functional changes in the retina: increased photoreceptor cation channel permeability, photoreceptor apoptosis, and altered retinal metabolic function. *Journal of Neurochemistry*, **2007**, 103, 714-24	6	21
34	Emergence of cellular markers and functional ionotropic glutamate receptors on tangentially dispersed cells in the developing mouse retina. *Journal of Comparative Neurology*, **2008**, 506, 506-23	3.4	21
33	Retinal metabolic state of the proline-23-histidine rat model of retinitis pigmentosa. *American Journal of Physiology - Cell Physiology*, **2010**, 298, C764-74	5.4	19
32	Amino acid immunoreactivity in normal human retina and after brachytherapy. *Australasian journal of optometry, The*, **2013**, 96, 504-7	2.7	17
31	Connexin Hemichannel Block Using Orally Delivered Tonabersat Improves Outcomes in Animal Models of Retinal Disease. *Neurotherapeutics*, **2020**, 17, 371-387	6.4	17
30	Targeting connexin hemichannels to control the inflammasome: the correlation between connexin43 and NLRP3 expression in chronic eye disease. *Expert Opinion on Therapeutic Targets*, **2019**, 23, 855-863	6.4	16
29	Functional activation of glutamate ionotropic receptors in the human peripheral retina. *Experimental Eye Research*, **2012**, 94, 71-84	3.7	16
28	Gap junction proteins in the light-damaged albino rat. *Molecular Vision*, **2014**, 20, 670-82	2.3	16
27	Connexin43 hemichannels: A potential drug target for the treatment of diabetic retinopathy. *Drug Discovery Today*, **2019**, 24, 1627-1636	8.8	15
26	Short- and long-term enzymatic regulation secondary to metabolic insult in the rat retina. *Journal of Neurochemistry*, **2005**, 92, 1350-62	6	15
25	Immunohistochemical Characterization of Connexin43 Expression in a Mouse Model of Diabetic Retinopathy and in Human Donor Retinas. *International Journal of Molecular Sciences*, **2017**, 18,	6.3	13
24	Infrared Video Pupillography Coupled with Smart Phone LED for Measurement of Pupillary Light Reflex. *Frontiers in Integrative Neuroscience*, **2017**, 11, 6	3.2	13
23	Macromolecular markers in normal human retina and applications to human retinal disease. *Experimental Eye Research*, **2016**, 150, 135-48	3.7	12
22	Vinpocetine regulates cation channel permeability of inner retinal neurons in the ischaemic retina. *Neurochemistry International*, **2014**, 66, 1-14	4.4	12
21	Connexin therapeutics: blocking connexin hemichannel pores is distinct from blocking pannexin channels or gap junctions. *Neural Regeneration Research*, **2021**, 16, 482-488	4.5	12
20	Retinal amino acid neurochemistry of the southern hemisphere lamprey, Geotria australis. *PLoS ONE*, **2013**, 8, e58406	3.7	11

19	Student acceptance of e-learning methods in the laboratory class in Optometry. *PLoS ONE*, **2018**, 13, e0209004	3.7	11
18	Vinpocetine modulates metabolic activity and function during retinal ischemia. *American Journal of Physiology - Cell Physiology*, **2015**, 308, C737-49	5.4	10
17	Evidence of Synaptic and Neurochemical Remodeling in the Retina of Aging Degus. *Frontiers in Neuroscience*, **2020**, 14, 161	5.1	10
16	Retinal anatomy of the New Zealand kiwi: structural traits consistent with their nocturnal behavior. *Anatomical Record*, **2015**, 298, 771-9	2.1	9
15	Creatine transporter immunolocalization in aged human and detached retinas **2012**, 53, 1936-45		9
14	Mapping cation entry in photoreceptors and inner retinal neurons during early degeneration in the P23H-3 rat retina. *Visual Neuroscience*, **2013**, 30, 65-75	1.7	8
13	The changing scope of Optometry in New Zealand: historical perspectives, current practice and research advances. *Journal of the Royal Society of New Zealand*, **2019**, 49, 188-204	2	6
12	Xentry-Gap19 inhibits Connexin43 hemichannel opening especially during hypoxic injury. *Drug Delivery and Translational Research*, **2020**, 10, 751-765	6.2	6
11	Differential Action of Connexin Hemichannel and Pannexin Channel Therapeutics for Potential Treatment of Retinal Diseases. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	6
10	Proinflammatory cytokines trigger biochemical and neurochemical changes in mouse retinal explants exposed to hyperglycemic conditions. *Molecular Vision*, **2020**, 26, 277-290	2.3	5
9	Vinpocetine protects inner retinal neurons with functional NMDA glutamate receptors against retinal ischemia. *Experimental Eye Research*, **2018**, 167, 1-13	3.7	5
8	Pre-treatment with vinpocetine protects against retinal ischemia. *Experimental Eye Research*, **2017**, 154, 126-138	3.7	4
7	Choroidal thinning and ocular electrophysiology in a case of vascular cognitive impairment after stroke. *Australasian journal of optometry, The*, **2019**, 102, 184-187	2.7	4
6	Retinal Development and Ommin Pigment in the Cranchiid Squid Teuthowenia pellucida (Cephalopoda: Oegopsida). *PLoS ONE*, **2015**, 10, e0123453	3.7	2
5	Glyceraldehyde-3-phosphate dehydrogenase and glutamine synthetase inhibition in the presence of pro-inflammatory cytokines contribute to the metabolic imbalance of diabetic retinopathy. *Experimental Eye Research*, **2021**, 213, 108845	3.7	2
4	Retinal Ganglion Cells Functional Changes in a Mouse Model of Alzheimer's Disease Are Linked with Neurotransmitter Alterations. *Journal of Alzheimer's Disease*, **2021**, 82, S5-S18	4.3	2
3	Ocular Health of as a Clinical Marker for Age-Related and Age-Independent Neurodegeneration. *Frontiers in Integrative Neuroscience*, **2021**, 15, 665467	3.2	0
2	Mapping cation entry in photoreceptors and inner retinal neurons during early degeneration in the P23H-3 rat retina□CORRIGENDUM. *Visual Neuroscience*, **2013**, 30, 121-121	1.7	

1	Reply to "Letter to the editor: "Comments on retinal metabolic state in P23H and normal retinas"" *American Journal of Physiology - Cell Physiology*, **2010**, 299, C186-C187	5.4