

# Monica L Acosta

## List of Publications by Year in Descending Order

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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	Glyceraldehyde-3-phosphate dehydrogenase and glutamine synthetase inhibition in the presence of pro-inflammatory cytokines contribute to the metabolic imbalance of diabetic retinopathy. <i>Experimental Eye Research</i> , <b>2021</b> , 213, 108845	3.7	2
53	Ocular Health of as a Clinical Marker for Age-Related and Age-Independent Neurodegeneration. <i>Frontiers in Integrative Neuroscience</i> , <b>2021</b> , 15, 665467	3.2	0
52	Retinal Ganglion Cells Functional Changes in a Mouse Model of Alzheimer's Disease Are Linked with Neurotransmitter Alterations. <i>Journal of Alzheimer's Disease</i> , <b>2021</b> , 82, S5-S18	4.3	2
51	Connexin therapeutics: blocking connexin hemichannel pores is distinct from blocking pannexin channels or gap junctions. <i>Neural Regeneration Research</i> , <b>2021</b> , 16, 482-488	4.5	12
50	Differential Action of Connexin Hemichannel and Pannexin Channel Therapeutics for Potential Treatment of Retinal Diseases. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	6
49	Evidence of Synaptic and Neurochemical Remodeling in the Retina of Aging Degus. <i>Frontiers in Neuroscience</i> , <b>2020</b> , 14, 161	5.1	10
48	Proinflammatory cytokines trigger biochemical and neurochemical changes in mouse retinal explants exposed to hyperglycemic conditions. <i>Molecular Vision</i> , <b>2020</b> , 26, 277-290	2.3	5
47	Connexin Hemichannel Block Using Orally Delivered Tonabersat Improves Outcomes in Animal Models of Retinal Disease. <i>Neurotherapeutics</i> , <b>2020</b> , 17, 371-387	6.4	17
46	Xentry-Gap19 inhibits Connexin43 hemichannel opening especially during hypoxic injury. <i>Drug Delivery and Translational Research</i> , <b>2020</b> , 10, 751-765	6.2	6
45	Targeting connexin hemichannels to control the inflammasome: the correlation between connexin43 and NLRP3 expression in chronic eye disease. <i>Expert Opinion on Therapeutic Targets</i> , <b>2019</b> , 23, 855-863	6.4	16
44	Connexin43 hemichannels: A potential drug target for the treatment of diabetic retinopathy. <i>Drug Discovery Today</i> , <b>2019</b> , 24, 1627-1636	8.8	15
43	The changing scope of Optometry in New Zealand: historical perspectives, current practice and research advances. <i>Journal of the Royal Society of New Zealand</i> , <b>2019</b> , 49, 188-204	2	6
42	Connexin43 hemichannel block protects against the development of diabetic retinopathy signs in a mouse model of the disease. <i>Journal of Molecular Medicine</i> , <b>2019</b> , 97, 215-229	5.5	22
41	Choroidal thinning and ocular electrophysiology in a case of vascular cognitive impairment after stroke. <i>Australasian journal of optometry</i> , <b>2019</b> , 102, 184-187	2.7	4
40	Sustained Connexin43 Mimetic Peptide Release From Loaded Nanoparticles Reduces Retinal and Choroidal Photodamage <b>2018</b> , 59, 3682-3693		24
39	Intravitreal pro-inflammatory cytokines in non-obese diabetic mice: Modelling signs of diabetic retinopathy. <i>PLoS ONE</i> , <b>2018</b> , 13, e0202156	3.7	25
38	Vinpocetine protects inner retinal neurons with functional NMDA glutamate receptors against retinal ischemia. <i>Experimental Eye Research</i> , <b>2018</b> , 167, 1-13	3.7	5

37	The inflammasome pathway is amplified and perpetuated in an autocrine manner through connexin43 hemichannel mediated ATP release. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2018</b> , 1862, 385-393	4	54
36	Student acceptance of e-learning methods in the laboratory class in Optometry. <i>PLoS ONE</i> , <b>2018</b> , 13, e0209004	3.7	11
35	Pre-treatment with vinpocetine protects against retinal ischemia. <i>Experimental Eye Research</i> , <b>2017</b> , 154, 126-138	3.7	4
34	Immunohistochemical Characterization of Connexin43 Expression in a Mouse Model of Diabetic Retinopathy and in Human Donor Retinas. <i>International Journal of Molecular Sciences</i> , <b>2017</b> , 18,	6.3	13
33	Infrared Video Pupillography Coupled with Smart Phone LED for Measurement of Pupillary Light Reflex. <i>Frontiers in Integrative Neuroscience</i> , <b>2017</b> , 11, 6	3.2	13
32	Tonabersat Prevents Inflammatory Damage in the Central Nervous System by Blocking Connexin43 Hemichannels. <i>Neurotherapeutics</i> , <b>2017</b> , 14, 1148-1165	6.4	30
31	Connexin43 in retinal injury and disease. <i>Progress in Retinal and Eye Research</i> , <b>2016</b> , 51, 41-68	20.5	66
30	Macromolecular markers in normal human retina and applications to human retinal disease. <i>Experimental Eye Research</i> , <b>2016</b> , 150, 135-48	3.7	12
29	Using the rd1 mouse to understand functional and anatomical retinal remodelling and treatment implications in retinitis pigmentosa: A review. <i>Experimental Eye Research</i> , <b>2016</b> , 150, 106-21	3.7	38
28	Connexin43 Mimetic Peptide Improves Retinal Function and Reduces Inflammation in a Light-Damaged Albino Rat Model <b>2016</b> , 57, 3961-73		35
27	Vinpocetine modulates metabolic activity and function during retinal ischemia. <i>American Journal of Physiology - Cell Physiology</i> , <b>2015</b> , 308, C737-49	5.4	10
26	Retinal anatomy of the New Zealand kiwi: structural traits consistent with their nocturnal behavior. <i>Anatomical Record</i> , <b>2015</b> , 298, 771-9	2.1	9
25	Retinal Development and Ommochrome Pigment in the Cranchiid Squid <i>Teuthowenia pellucida</i> (Cephalopoda: Oegopsida). <i>PLoS ONE</i> , <b>2015</b> , 10, e0123453	3.7	2
24	Alzheimer's Disease-Related Protein Expression in the Retina of <i>Octodon degus</i> . <i>PLoS ONE</i> , <b>2015</b> , 10, e0135499	3.7	38
23	Vinpocetine regulates cation channel permeability of inner retinal neurons in the ischaemic retina. <i>Neurochemistry International</i> , <b>2014</b> , 66, 1-14	4.4	12
22	Sildenafil alters retinal function in mouse carriers of retinitis pigmentosa. <i>Experimental Eye Research</i> , <b>2014</b> , 128, 43-56	3.7	23
21	Alzheimer's disease in the human eye. Clinical tests that identify ocular and visual information processing deficit as biomarkers. <i>Alzheimer's and Dementia</i> , <b>2014</b> , 10, 251-61	1.2	65
20	Gap junction proteins in the light-damaged albino rat. <i>Molecular Vision</i> , <b>2014</b> , 20, 670-82	2.3	16

19	Retinal amino acid neurochemistry in health and disease. <i>Australasian journal of optometry, The</i> , <b>2013</b> , 96, 310-32	2.7	26
18	Octodon degus (Molina 1782): a model in comparative biology and biomedicine. <i>Cold Spring Harbor Protocols</i> , <b>2013</b> , 2013, 312-8	1.2	30
17	Amino acid immunoreactivity in normal human retina and after brachytherapy. <i>Australasian journal of optometry, The</i> , <b>2013</b> , 96, 504-7	2.7	17
16	Mapping cation entry in photoreceptors and inner retinal neurons during early degeneration in the P23H-3 rat retina. <i>Visual Neuroscience</i> , <b>2013</b> , 30, 65-75	1.7	8
15	Mapping cation entry in photoreceptors and inner retinal neurons during early degeneration in the P23H-3 rat retinaCORRIGENDUM. <i>Visual Neuroscience</i> , <b>2013</b> , 30, 121-121	1.7	
14	Retinal amino acid neurochemistry of the southern hemisphere lamprey, Geotria australis. <i>PLoS ONE</i> , <b>2013</b> , 8, e58406	3.7	11
13	Functional activation of glutamate ionotropic receptors in the human peripheral retina. <i>Experimental Eye Research</i> , <b>2012</b> , 94, 71-84	3.7	16
12	Functional and anatomical remodeling in human retinal detachment. <i>Experimental Eye Research</i> , <b>2012</b> , 97, 73-89	3.7	24
11	Creatine transporter immunolocalization in aged human and detached retinas <b>2012</b> , 53, 1936-45		9
10	Anatomical specializations for nocturnality in a critically endangered parrot, the Kakapo (Strigops habroptilus). <i>PLoS ONE</i> , <b>2011</b> , 6, e22945	3.7	29
9	Reply to Letter to the editor: Comments on retinal metabolic state in P23H and normal retinasAmerican Journal of Physiology - Cell Physiology, <b>2010</b> , 299, C186-C187	5.4	
8	Retinal metabolic state of the proline-23-histidine rat model of retinitis pigmentosa. <i>American Journal of Physiology - Cell Physiology</i> , <b>2010</b> , 298, C764-74	5.4	19
7	Glutamate metabolic pathways and retinal function. <i>Journal of Neurochemistry</i> , <b>2009</b> , 111, 589-99	6	46
6	Emergence of cellular markers and functional ionotropic glutamate receptors on tangentially dispersed cells in the developing mouse retina. <i>Journal of Comparative Neurology</i> , <b>2008</b> , 506, 506-23	3.4	21
5	Functional activation of glutamate ionotropic receptors in the developing mouse retina. <i>Journal of Comparative Neurology</i> , <b>2007</b> , 500, 923-41	3.4	29
4	Light exposure causes functional changes in the retina: increased photoreceptor cation channel permeability, photoreceptor apoptosis, and altered retinal metabolic function. <i>Journal of Neurochemistry</i> , <b>2007</b> , 103, 714-24	6	21
3	Short- and long-term enzymatic regulation secondary to metabolic insult in the rat retina. <i>Journal of Neurochemistry</i> , <b>2005</b> , 92, 1350-62	6	15
2	Creatine transporter localization in developing and adult retina: importance of creatine to retinal function. <i>American Journal of Physiology - Cell Physiology</i> , <b>2005</b> , 289, C1015-23	5.4	43

1	Early markers of retinal degeneration in rd/rd mice. <i>Molecular Vision</i> , <b>2005</b> , 11, 717-28	2.3	36
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