Elena S Garcia-Martin

List of Publications by Year
in descending order

38 papers	1,169 citations	430442 18 h-index	414034 32 g-index
48 all docs	48 docs citations	48 times ranked	1434 citing authors

#	Article	IF	Citations
1	The Role of Microglia in Retinal Neurodegeneration: Alzheimer's Disease, Parkinson, and Glaucoma. Frontiers in Aging Neuroscience, 2017, 9, 214.	1.7	348
2	Macular Thickness as a Potential Biomarker of Mild Alzheimer's Disease. Ophthalmology, 2014, 121, 1149-1151.e3.	2.5	79
3	Changes in visual function and retinal structure in the progression of Alzheimer's disease. PLoS ONE, 2019, 14, e0220535.	1.1	64
4	Analysis of Retinal Peripapillary Segmentation in Early Alzheimerâ€™s Disease Patients. BioMed Research International, 2015, 2015, 1-8.	0.9	59
5	Bilateral early activation of retinal microglial cells in a mouse model of unilateral laser-induced experimental ocular hypertension. Experimental Eye Research, 2018, 171, 12-29.	1.2	52
6	Neuroprotective and Anti-Inflammatory Effects of a Hydrophilic Saffron Extract in a Model of Glaucoma. International Journal of Molecular Sciences, 2019, 20, 4110.	1.8	51
7	Amyotrophic Lateral Sclerosis: A Neurodegenerative Motor Neuron Disease With Ocular Involvement. Frontiers in Neuroscience, 2020, 14, 566858.	1.4	47
8	Time course of bilateral microglial activation in a mouse model of laser-induced glaucoma. Scientific Reports, 2020, 10, 4890.	1.6	41
9	Beneficial effects of saffron (Crocus sativus L.) in ocular pathologies, particularly neurodegenerative retinal diseases. Neural Regeneration Research, 2020, 15, 1408.	1.6	40
10	Ocular Vascular Changes in Mild Alzheimerâ€™s Disease Patients: Foveal Avascular Zone, Choroidal Thickness, and ONH Hemoglobin Analysis. Journal of Personalized Medicine, 2020, 10, 231.	1.1	34
11	Microglial Activation in the Retina of a Triple-Transgenic Alzheimerâ€™s Disease Mouse Model (3xTg-AD). International Journal of Molecular Sciences, 2020, 21, 816.	1.8	29
12	Spatial analysis of thickness changes in ten retinal layers of Alzheimerâ€™s disease patients based on optical coherence tomography. Scientific Reports, 2019, 9, 13000.	1.6	28
13	Retinal glial changes in Alzheimer's disease â€“ A review. Journal of Optometry, 2019, 12, 198-207.	0.7	28
14	Macro- and microglial responses in the fellow eyes contralateral to glaucomatous eyes. Progress in Brain Research, 2015, 220, 155-172.	0.9	27
15	Retinal Molecular Changes Are Associated with Neuroinflammation and Loss of RGCs in an Experimental Model of Glaucoma. International Journal of Molecular Sciences, 2021, 22, 2066.	1.8	26
16	Changes in Retinal OCT and Their Correlations with Neurological Disability in Early ALS Patients, a Follow-Up Study. Brain Sciences, 2019, 9, 337.	1.1	23
17	Macular Thickness Decrease in Asymptomatic Subjects at High Genetic Risk of Developing Alzheimerâ€™s Disease: An OCT Study. Journal of Clinical Medicine, 2020, 9, 1728.	1.0	22
18	Ophthalmologic Psychophysical Tests Support OCT Findings in Mild Alzheimerâ€™s Disease. Journal of Ophthalmology, 2015, 2015, 1-10.	0.6	20

#	Article	IF	Citations
19	Microglial changes in the early aging stage in a healthy retina and an experimental glaucoma model. Progress in Brain Research, 2020, 256, 125-149.	0.9	17
20	Ocular Involvement in Friedreich Ataxia Patients and Its Relationship with Neurological Disability, a Follow-Up Study. Diagnostics, 2020, 10, 75.	1.3	15
21	The Role of Autophagy in Eye Diseases. Life, 2021, 11, 189.	1.1	14
22	The relationship between retinal layers and brain areas in asymptomatic first-degree relatives of sporadic forms of Alzheimerâ€™s disease: an exploratory analysis. Alzheimer's Research and Therapy, 2022, 14, .	3.0	13
23	Anatomy of the Human Optic Nerve: Structure and Function. , 0, , .		10
24	Retinal Thickness Changes Over Time in a Murine AD Model APPNL-F/NL-F. Frontiers in Aging Neuroscience, 2020, 12, 625642.	1.7	10
25	The Value of OCT and OCTA as Potential Biomarkers for Preclinical Alzheimerâ€™s Disease: A Review Study. Life, 2021, 11, 712.	1.1	9
26	Retinal Ganglion Cell Loss and Microglial Activation in a SOD1G93A Mouse Model of Amyotrophic Lateral Sclerosis. International Journal of Molecular Sciences, 2021, 22, 1663.	1.8	8
27	Retinal Changes in Astrocytes and MÃ¼ller Glia in a Mouse Model of Laser-Induced Glaucoma: A Time-Course Study. Biomedicines, 2022, 10, 939.	1.4	8
28	Retinal Vascular Study Using OCTA in Subjects at High Genetic Risk of Developing Alzheimerâ€™s Disease and Cardiovascular Risk Factors. Journal of Clinical Medicine, 2022, 11, 3248.	1.0	8
29	Foveal Avascular Zone and Choroidal Thickness Are Decreased in Subjects with Hard Drusen and without High Genetic Risk of Developing Alzheimerâ€™s Disease. Biomedicines, 2021, 9, 638.	1.4	7
30	Neuro-Ophthalmological Findings in Friedreichâ€™s Ataxia. Journal of Personalized Medicine, 2021, 11, 708.	1.1	7
31	The Impact of the Eye in Dementia: The Eye and its Role in Diagnosis and Followâ€up. , 2016, , .		6
32	Is Saffron Able to Prevent the Dysregulation of Retinal Cytokines Induced by Ocular Hypertension in Mice?. Journal of Clinical Medicine, 2021, 10, 4801.	1.0	3
33	Cystoid Macular Edema: Causes, Diagnosis and Treatment. International Journal of Medical Students, 2015, 3, 131-139.	0.2	3
34	Characterization of Retinal Drusen in Subjects at High Genetic Risk of Developing Sporadic Alzheimerâ€™s Disease: An Exploratory Analysis. Journal of Personalized Medicine, 2022, 12, 847.	1.1	3
35	Roughness of retinal layers in Alzheimerâ€™s disease. Scientific Reports, 2021, 11, 11804.	1.6	2
36	Macular nerve-fiber-layer measurement in early stage Alzheimerâ€™s disease using optical coherence tomography. Acta Ophthalmologica, 2013, 91, 0-0.	0.6	2

#	Article	IF	Citations
37	Relevance of contrast sensitivity for the diagnosis and monitoring of early stages of Alzheimer's disease. Acta Ophthalmologica, 2013, 91, 0-0.	0.6	0
38	Usefulness of ophthalmology psychophysical test for diagnosis and monitoring support in mild Alzheimerâ€™s disease. Acta Ophthalmologica, 2014, 92, 0-0.	0.6	0