

M Francesca Cordeiro

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.

117
papers

4,454
citations

37
h-index

65
g-index

133
ext. papers

5,244
ext. citations

4.9
avg, IF

5.6
L-index

#	Paper	IF	Citations
117	Unexpected low-dose toxicity of the universal solvent DMSO. <i>FASEB Journal</i> , 2014 , 28, 1317-30	0.9	349
116	Targeting amyloid-beta in glaucoma treatment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 13444-9	11.5	262
115	Retinal ganglion cell apoptosis in glaucoma is related to intraocular pressure and IOP-induced effects on extracellular matrix. <i>Investigative Ophthalmology and Visual Science</i> , 2005 , 46, 175-82		261
114	Real-time imaging of single nerve cell apoptosis in retinal neurodegeneration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 13352-6	11.5	217
113	Evaluation of anti-TGF-beta2 antibody as a new postoperative anti-scarring agent in glaucoma surgery. <i>Investigative Ophthalmology and Visual Science</i> , 2003 , 44, 3394-401		187
112	Cystic bleb formation and related complications in limbus- versus fornix-based conjunctival flaps in pediatric and young adult trabeculectomy with mitomycin C. <i>Ophthalmology</i> , 2003 , 110, 2192-7	7.3	183
111	Characterizing microglia activation: a spatial statistics approach to maximize information extraction. <i>Scientific Reports</i> , 2017 , 7, 1576	4.9	149
110	Assessment of neuroprotective effects of glutamate modulation on glaucoma-related retinal ganglion cell apoptosis in vivo. <i>Investigative Ophthalmology and Visual Science</i> , 2006 , 47, 626-33		139
109	Glaucoma: the retina and beyond. <i>Acta Neuropathologica</i> , 2016 , 132, 807-826	14.3	129
108	Alzheimer's disease and retinal neurodegeneration. <i>Current Alzheimer Research</i> , 2010 , 7, 3-14	3	125
107	Neuroprotection in glaucoma - Is there a future role?. <i>Experimental Eye Research</i> , 2010 , 91, 554-66	3.7	125
106	Human antitransforming growth factor beta(2) monoclonal antibody--a new modulator of wound healing in trabeculectomy: a randomized placebo controlled clinical study. <i>Ophthalmology</i> , 2002 , 109, 427-31	7.3	111
105	Topical delivery of Avastin to the posterior segment of the eye in vivo using annexin A5-associated liposomes. <i>Small</i> , 2014 , 10, 1575-84	11	92
104	Imaging multiple phases of neurodegeneration: a novel approach to assessing cell death in vivo. <i>Cell Death and Disease</i> , 2010 , 1, e3	9.8	90
103	Modulation of wound healing after glaucoma surgery. <i>Current Opinion in Ophthalmology</i> , 2001 , 12, 143-8	5.1	90
102	Visual and Ocular Manifestations of Alzheimer's Disease and Their Use as Biomarkers for Diagnosis and Progression. <i>Frontiers in Neurology</i> , 2016 , 7, 55	4.1	90
101	Real-time imaging of single neuronal cell apoptosis in patients with glaucoma. <i>Brain</i> , 2017 , 140, 1757-1767	7.2	80

100	Tracking longitudinal retinal changes in experimental ocular hypertension using the cSLO and spectral domain-OCT 2010 , 51, 6504-13		64
99	Neuroprotection in glaucoma: drug-based approaches. <i>Optometry and Vision Science</i> , 2008 , 85, 406-16	2.1	63
98	The retina as an early biomarker of neurodegeneration in a rotenone-induced model of Parkinson's disease: evidence for a neuroprotective effect of rosiglitazone in the eye and brain. <i>Acta Neuropathologica Communications</i> , 2016 , 4, 86	7.3	61
97	Assessment of rat and mouse RGC apoptosis imaging in vivo with different scanning laser ophthalmoscopes. <i>Current Eye Research</i> , 2007 , 32, 851-61	2.9	59
96	Beyond Mitomycin: TGF-beta and wound healing. <i>Progress in Retinal and Eye Research</i> , 2002 , 21, 75-89	20.5	59
95	Memantine-Loaded PEGylated Biodegradable Nanoparticles for the Treatment of Glaucoma. <i>Small</i> , 2018 , 14, 1701808	11	58
94	Topical Coenzyme Q10 demonstrates mitochondrial-mediated neuroprotection in a rodent model of ocular hypertension. <i>Mitochondrion</i> , 2017 , 36, 114-123	4.9	55
93	Topical Curcumin Nanocarriers are Neuroprotective in Eye Disease. <i>Scientific Reports</i> , 2018 , 8, 11066	4.9	51
92	Combining phacoemulsification with endoscopic cyclophotocoagulation to manage cataract and glaucoma. <i>Clinical and Experimental Ophthalmology</i> , 2013 , 41, 546-51	2.4	50
91	Current perspective of neuroprotection and glaucoma. <i>Clinical Ophthalmology</i> , 2015 , 9, 2109-18	2.5	49
90	Dendritic changes in visual pathways in glaucoma and other neurodegenerative conditions. <i>Experimental Eye Research</i> , 2011 , 92, 244-50	3.7	46
89	Imaging apoptosis in the eye. <i>Eye</i> , 2011 , 25, 545-53	4.4	46
88	Real-time in vivo imaging of retinal cell apoptosis after laser exposure. <i>Investigative Ophthalmology and Visual Science</i> , 2008 , 49, 2773-80		44
87	Assessment of neuroprotection in the retina with DARC. <i>Progress in Brain Research</i> , 2008 , 173, 437-50	2.9	42
86	Accuracy of intraocular pressure measurements in new zealand white rabbits. <i>Investigative Ophthalmology and Visual Science</i> , 2005 , 46, 2419-23		42
85	Adenosine A3 receptor activation is neuroprotective against retinal neurodegeneration. <i>Experimental Eye Research</i> , 2015 , 140, 65-74	3.7	41
84	Localisation and significance of in vivo near-infrared autofluorescent signal in retinal imaging. <i>British Journal of Ophthalmology</i> , 2011 , 95, 1134-9	5.5	39
83	Oculo-visual abnormalities in Parkinson's disease: Possible value as biomarkers. <i>Movement Disorders</i> , 2018 , 33, 1390-1406	7	39

82	Non-amyloidogenic effects of α adrenergic agonists: implications for brimonidine-mediated neuroprotection. <i>Cell Death and Disease</i> , 2016 , 7, e2514	9.8	38
81	Role of transforming growth factor beta in conjunctival scarring. <i>Clinical Science</i> , 2003 , 104, 181-7	6.5	37
80	Simultaneous co-delivery of neuroprotective drugs from multi-loaded PLGA microspheres for the treatment of glaucoma. <i>Journal of Controlled Release</i> , 2019 , 297, 26-38	11.7	36
79	Ocular manifestations of Alzheimer's disease in animal models. <i>International Journal of Alzheimer's Disease</i> , 2012 , 2012, 786494	3.7	36
78	Optical coherence tomography in anterior segment imaging. <i>Acta Ophthalmologica</i> , 2007 , 85, 427-30		33
77	Neuroprotection for glaucoma: Requirements for clinical translation. <i>Experimental Eye Research</i> , 2017 , 157, 34-37	3.7	32
76	Preservative-free treatment in glaucoma: who, when, and why. <i>European Journal of Ophthalmology</i> , 2013 , 23, 518-25	1.9	30
75	The effect of formal instruction in ophthalmoscopy on medical student performance. <i>Medical Teacher</i> , 1993 , 15, 321-5	3	30
74	Management of glaucoma as a neurodegenerative disease. <i>Neurodegenerative Disease Management</i> , 2017 , 7, 157-172	2.8	25
73	Real-Time Imaging of Retinal Ganglion Cell Apoptosis. <i>Cells</i> , 2018 , 7,	7.9	24
72	Wound healing modulation after glaucoma surgery. <i>Current Opinion in Ophthalmology</i> , 2000 , 11, 121-6	5.1	23
71	Retinal imaging in Alzheimer's and neurodegenerative diseases. <i>Alzheimer's and Dementia</i> , 2021 , 17, 103-111	1.2	23
70	Retinal manifestations of Alzheimer's disease. <i>Neurodegenerative Disease Management</i> , 2014 , 4, 241-52	2.8	22
69	In vivo imaging of retinal ganglion cell apoptosis. <i>Current Opinion in Pharmacology</i> , 2013 , 13, 123-7	5.1	22
68	Integration of paper microfluidic sensors into contact lenses for tear fluid analysis. <i>Lab on A Chip</i> , 2020 , 20, 3970-3979	7.2	22
67	Retinal correlates of neurological disorders. <i>Therapeutic Advances in Chronic Disease</i> , 2019 , 10, 2040622319882205		205
66	Electroretinogram and visual-evoked potential assessment of retinal and central visual function in a rat ocular hypertension model of glaucoma. <i>Current Eye Research</i> , 2014 , 39, 472-86	2.9	21
65	Is the Eye an Extension of the Brain in Central Nervous System Disease?. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 2018 , 34, 129-133	2.6	19

64	Scleral Lens Sensor for Ocular Electrolyte Analysis. <i>Advanced Materials</i> , 2020 , 32, e1906762	2.4	18
63	A semi-automated technique for labeling and counting of apoptosing retinal cells. <i>BMC Bioinformatics</i> , 2014 , 15, 169	3.6	17
62	Dendritic changes in rat visual pathway associated with experimental ocular hypertension. <i>Current Eye Research</i> , 2014 , 39, 953-63	2.9	15
61	The potential of annexin-labelling for the diagnosis and follow-up of glaucoma. <i>Cell and Tissue Research</i> , 2013 , 353, 279-85	4.2	15
60	Purification of annexin V and its use in the detection of apoptotic cells. <i>Methods in Molecular Biology</i> , 2011 , 731, 293-308	1.4	15
59	A CNN-aided method to predict glaucoma progression using DARC (Detection of Apoptosing Retinal Cells). <i>Expert Review of Molecular Diagnostics</i> , 2020 , 20, 737-748	3.8	15
58	Ocular biomarkers of Alzheimer's disease. <i>Central Nervous System Agents in Medicinal Chemistry</i> , 2015 , 15, 117-25	1.8	14
57	Real-Time Imaging of Retinal Cell Apoptosis by Confocal Scanning Laser Ophthalmoscopy and Its Role in Glaucoma. <i>Frontiers in Neurology</i> , 2018 , 9, 338	4.1	13
56	Exposure to the complement C5b-9 complex sensitizes 661W photoreceptor cells to both apoptosis and necroptosis. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2015 , 20, 433-434	5.4	12
55	Cellular Consequences of Coenzyme Q10 Deficiency in Neurodegeneration of the Retina and Brain. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	11
54	Topical recombinant human Nerve growth factor (rh-NGF) is neuroprotective to retinal ganglion cells by targeting secondary degeneration. <i>Scientific Reports</i> , 2020 , 10, 3375	4.9	11
53	New trends in glaucoma risk, diagnosis & management. <i>Indian Journal of Medical Research</i> , 2013 , 137, 659-68	2.9	11
52	Technology evaluation: lerdelimumab, Cambridge Antibody Technology. <i>Current Opinion in Molecular Therapeutics</i> , 2003 , 5, 199-203		11
51	Glaucoma and Alzheimer's disease in the elderly. <i>Aging Health</i> , 2011 , 7, 719-733		10
50	Neuroprotection in glaucoma: old concepts, new ideas. <i>Expert Review of Ophthalmology</i> , 2019 , 14, 101-113		9
49	Comparison of preservative-free latanoprost and preservative-free bimatoprost in a multicenter, randomized, investigator-masked cross-over clinical trial, the SPORT trial. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 2016 , 254, 1151-8	3.8	9
48	Focus on: amyloid beta. <i>Experimental Eye Research</i> , 2009 , 89, 446-7	3.7	9
47	Ophthalmic Research Lecture 2018: DARC as a Potential Surrogate Marker. <i>Ophthalmic Research</i> , 2020 , 63, 1-7	2.9	8

46	Retinal correlates of psychiatric disorders. <i>Therapeutic Advances in Chronic Disease</i> , 2020 , 11, 2040622320905215		
45	Real-time imaging of retinal cell apoptosis by confocal scanning laser ophthalmoscopy. <i>Methods in Molecular Biology</i> , 2015 , 1254, 227-37	1.4	7
44	Retinal and Brain Microglia in Multiple Sclerosis and Neurodegeneration. <i>Cells</i> , 2021 , 10,	7.9	7
43	Annexins in Glaucoma. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	6
42	High-resolution ocular imaging: combining advanced optics and microtechnology. <i>Ophthalmic Surgery Lasers and Imaging Retina</i> , 2009 , 40, 480-8	1.4	6
41	Imaging in DRY AMD. <i>Drug Discovery Today: Therapeutic Strategies</i> , 2013 , 10, e35-e41		5
40	Neuroprotection in glaucoma: current and emerging approaches. <i>Expert Review of Ophthalmology</i> , 2014 , 9, 109-123	1.5	5
39	Glaucoma: Hot Topics in Pharmacology. <i>Current Pharmaceutical Design</i> , 2017 , 23, 596-607	3.3	5
38	Transcutaneous fluorescence spectroscopy as a tool for non-invasive monitoring of gut function: first clinical experiences. <i>Scientific Reports</i> , 2020 , 10, 16169	4.9	5
37	Efficacy of a preservative-free formulation of fixed-combination bimatoprost and timolol (Ganfort PF) in treatment-naïve patients vs previously treated patients. <i>Clinical Ophthalmology</i> , 2015 , 9, 1605-11	2.5	4
36	Changes in the modulation of retinocollicular transmission through group III mGluRs long after an increase in intraocular pressure in a rat model of glaucoma. <i>Visual Neuroscience</i> , 2012 , 29, 237-46	1.7	4
35	Back to basics - ephrins, axonal guidance, neuroprotection and glaucoma. <i>British Journal of Ophthalmology</i> , 2007 , 91, 1106	5.5	4
34	Novel homozygous variant underlying USH2-like phenotype of Usher syndrome. <i>European Journal of Ophthalmology</i> , 2021 , 31, NP18-NP22	1.9	4
33	Redefining clinical outcomes and endpoints in glaucoma. <i>Expert Review of Ophthalmology</i> , 2018 , 13, 113-127	1.7	3
32	Retinal cell apoptosis. <i>Expert Review of Ophthalmology</i> , 2009 , 4, 27-45	1.5	3
31	Optic nerve regeneration. <i>Expert Review of Ophthalmology</i> , 2012 , 7, 533-554	1.5	3
30	Measures of disease activity in glaucoma. <i>Biosensors and Bioelectronics</i> , 2022 , 196, 113700	11.8	3
29	Dynamic changes in cell size and corresponding cell fate after optic nerve injury. <i>Scientific Reports</i> , 2020 , 10, 21683	4.9	3

28	Investigational neuroprotective compounds in clinical trials for retinal disease. <i>Expert Opinion on Investigational Drugs</i> , 2021 , 30, 571-577	5.9	3
27	Detecting retinal cell stress and apoptosis with DARC: Progression from lab to clinic. <i>Progress in Retinal and Eye Research</i> , 2021 , 100976	20.5	3
26	Ophthalmic sensing technologies for ocular disease diagnostics. <i>Analyst, The</i> , 2021 , 146, 6416-6444	5	3
25	Personalized approaches for the management of glaucoma. <i>Expert Review of Precision Medicine and Drug Development</i> , 2020 , 5, 145-164	1.6	2
24	Multimodal Imaging in Autosomal Dominant Cone-Rod Dystrophy Caused by Novel CRX Variant. <i>Ophthalmic Research</i> , 2018 , 60, 169-175	2.9	2
23	Assessing anesthetic activity through modulation of the membrane dipole potential. <i>Journal of Lipid Research</i> , 2017 , 58, 1962-1976	6.3	2
22	Detecting Apoptosis as a Clinical Endpoint for Proof of a Clinical Principle. <i>Ophthalmologica</i> , 2021 , 244, 408-417	3.7	2
21	Apoptosis in health and diseases of the eye and brain. <i>Advances in Protein Chemistry and Structural Biology</i> , 2021 , 126, 279-306	5.3	2
20	New Technologies for Outcome Measures in Glaucoma: Review by the European Vision Institute Special Interest Focus Group. <i>Ophthalmic Research</i> , 2020 , 63, 88-96	2.9	1
19	Automated characterisation of microglia in ageing mice using image processing and supervised machine learning algorithms.. <i>Scientific Reports</i> , 2022 , 12, 1806	4.9	1
18	Imaging Individual Ganglion Cells in the Human Retina. <i>Essentials in Ophthalmology</i> , 2009 , 1-12	0.2	1
17	Retinal Changes in Transgenic Mouse Models of Alzheimer's Disease. <i>Current Alzheimer Research</i> , 2021 , 18, 89-102	3	1
16	Risk calculators in glaucoma. <i>Expert Review of Ophthalmology</i> , 2016 , 11, 21-27	1.5	1
15	Predicting wet age-related macular degeneration (AMD) using DARC (detecting apoptosing retinal cells) AI (artificial intelligence) technology. <i>Expert Review of Molecular Diagnostics</i> , 2021 , 21, 109-118	3.8	1
14	Recent advances in imaging technologies for assessment of retinal diseases. <i>Expert Review of Medical Devices</i> , 2020 , 17, 1095-1108	3.5	0
13	Comparison of preserved bimatoprost 0.01% with preservative-free tafluprost: A randomised, investigator-masked, 3-month crossover, multicentre trial, SPORT II. <i>European Journal of Ophthalmology</i> , 2021 , 11206721211006573	1.9	0
12	Microglia: Key Players in Retinal Ageing and Neurodegeneration.. <i>Frontiers in Cellular Neuroscience</i> , 2022 , 16, 804782	6.1	0
11	Clinical update in optic nerve disorders. <i>Expert Review of Ophthalmology</i> , 2015 , 10, 145-166	1.5	

- 10 Focusing on surgical and laser advances in glaucoma management. *Expert Review of Ophthalmology*, **2020**, 15, 27-41 1.5
- 9 Animal Models in Neuro Ophthalmology **2020**, 401-426
- 8 Advances in Retinal Imaging: Real-Time Imaging of Single Neuronal Cell Apoptosis (DARC) **2020**, 123-138
- 7 TGF-Related Antifibrotic Strategies in the Eye **2008**, 663-673
- 6 The efficacy of dexamethasone implants following anti-VEGF failure for macular oedema in retinal vein occlusion. *European Journal of Ophthalmology*, **2021**, 31, 3214-3222 1.9
- 5 Toward Molecular Imaging. *Essentials in Ophthalmology*, **2010**, 217-222 0.2
- 4 Naturally occurring neuroprotectants in glaucoma. *Progress in Brain Research*, **2020**, 257, 119-140 2.9
- 3 Animal Models in Neuro Ophthalmology **2016**, 239-263
- 2 Innovations and revolutions in reducing retinal ganglion cell loss in glaucoma. *Expert Review of Ophthalmology*, **2021**, 16, 33-46 1.5
- 1 Treating the whole glaucoma spectrum: A new treatment approach is required. *British Journal of Clinical Pharmacology*, **2021**, 87, 717-718 3.8