

# Francine Bhar-Cohen

## List of Publications by Citations

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118  
papers

3,861  
citations

35  
h-index

58  
g-index

144  
ext. papers

4,942  
ext. citations

5.8  
avg, IF

5.48  
L-index

#	Paper	IF	Citations
118	Central serous chorioretinopathy: Recent findings and new physiopathology hypothesis. <i>Progress in Retinal and Eye Research</i> , <b>2015</b> , 48, 82-118	20.5	480
117	Mineralocorticoid receptor is involved in rat and human ocular chorioretinopathy. <i>Journal of Clinical Investigation</i> , <b>2012</b> , 122, 2672-9	15.9	242
116	Mechanisms of macular edema: Beyond the surface. <i>Progress in Retinal and Eye Research</i> , <b>2018</b> , 63, 20-68	20.5	228
115	Mineralocorticoid receptor antagonism in the treatment of chronic central serous chorioretinopathy: a pilot study. <i>Retina</i> , <b>2013</b> , 33, 2096-102	3.6	152
114	The neuroretina is a novel mineralocorticoid target: aldosterone up-regulates ion and water channels in Müller glial cells. <i>FASEB Journal</i> , <b>2010</b> , 24, 3405-15	0.9	100
113	The outer limiting membrane (OLM) revisited: clinical implications. <i>Clinical Ophthalmology</i> , <b>2010</b> , 4, 183-95	9.5	90
112	SPIRONOLACTONE FOR NONRESOLVING CENTRAL SEROUS CHORIORETINOPATHY: A RANDOMIZED CONTROLLED CROSSOVER STUDY. <i>Retina</i> , <b>2015</b> , 35, 2505-15	3.6	88
111	Sustained release of nanosized complexes of polyethylenimine and anti-TGF-beta 2 oligonucleotide improves the outcome of glaucoma surgery. <i>Journal of Controlled Release</i> , <b>2006</b> , 112, 369-81	11.7	79
110	Light-induced retinal damage using different light sources, protocols and rat strains reveals LED phototoxicity. <i>Neuroscience</i> , <b>2016</b> , 339, 296-307	3.9	73
109	Oral Mineralocorticoid-Receptor Antagonists: Real-Life Experience in Clinical Subtypes of Nonresolving Central Serous Chorioretinopathy With Chronic Epitheliopathy. <i>Translational Vision Science and Technology</i> , <b>2016</b> , 5, 2	3.3	67
108	Evaluation of a novel biomaterial in the suprachoroidal space of the rabbit eye. <i>Investigative Ophthalmology and Visual Science</i> , <b>2002</b> , 43, 1533-9		66
107	Dexamethasone-loaded poly(epsilon-caprolactone) intravitreal implants: a pilot study. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2008</b> , 68, 637-46	5.7	65
106	Eplerenone for chronic central serous chorioretinopathy in patients with active, previously untreated disease for more than 4 months (VICI): a randomised, double-blind, placebo-controlled trial. <i>Lancet, The</i> , <b>2020</b> , 395, 294-303	40	64
105	ACUTE CENTRAL SEROUS CHORIORETINOPATHY: Factors Influencing Episode Duration. <i>Retina</i> , <b>2017</b> , 37, 1905-1915	3.6	57
104	Ultraviolet damage to the eye revisited: eye-sun protection factor (E-SPF <sub>UV</sub> ), a new ultraviolet protection label for eyewear. <i>Clinical Ophthalmology</i> , <b>2014</b> , 8, 87-104	2.5	52
103	Placental growth factor contributes to micro-vascular abnormalization and blood-retinal barrier breakdown in diabetic retinopathy. <i>PLoS ONE</i> , <b>2011</b> , 6, e17462	3.7	51
102	Pharmacokinetics and posterior segment biodistribution of ESBA105, an anti-TNF-alpha single-chain antibody, upon topical administration to the rabbit eye <b>2009</b> , 50, 771-8		51

101	Plasmid electrotransfer of eye ciliary muscle: principles and therapeutic efficacy using hTNF-alpha soluble receptor in uveitis. <i>FASEB Journal</i> , <b>2006</b> , 20, 389-91	0.9	50
100	Ocular gene therapy: a review of nonviral strategies. <i>Molecular Vision</i> , <b>2006</b> , 12, 1334-47	2.3	50
99	Cone Genesis Tracing by the Chrn4-EGFP Mouse Line: Evidences of Cellular Material Fusion after Cone Precursor Transplantation. <i>Molecular Therapy</i> , <b>2017</b> , 25, 634-653	11.7	47
98	Placental growth factor and its potential role in diabetic retinopathy and other ocular neovascular diseases. <i>Acta Ophthalmologica</i> , <b>2018</b> , 96, e1-e9	3.7	45
97	Electrically assisted ocular gene therapy. <i>Survey of Ophthalmology</i> , <b>2007</b> , 52, 196-208	6.1	45
96	Oligonucleotide-polyethylenimine complexes targeting retinal cells: structural analysis and application to anti-TGFbeta-2 therapy. <i>Pharmaceutical Research</i> , <b>2006</b> , 23, 770-81	4.5	43
95	Ocular gene therapies in clinical practice: viral vectors and nonviral alternatives. <i>Drug Discovery Today</i> , <b>2019</b> , 24, 1685-1693	8.8	42
94	Downregulation of IRS-1 expression causes inhibition of corneal angiogenesis. <i>Investigative Ophthalmology and Visual Science</i> , <b>2005</b> , 46, 4072-8		42
93	Suprachoroidal electrotransfer: a nonviral gene delivery method to transfect the choroid and the retina without detaching the retina. <i>Molecular Therapy</i> , <b>2012</b> , 20, 1559-70	11.7	41
92	VOLUME-RENDERED ANGIOGRAPHIC AND STRUCTURAL OPTICAL COHERENCE TOMOGRAPHY ANGIOGRAPHY OF MACULAR TELANGIECTASIA TYPE 2. <i>Retina</i> , <b>2017</b> , 37, 424-435	3.6	40
91	A new CRB1 rat mutation links Müller glial cells to retinal telangiectasia. <i>Journal of Neuroscience</i> , <b>2015</b> , 35, 6093-106	6.6	40
90	Glucocorticoids induce retinal toxicity through mechanisms mainly associated with paraptosis. <i>Molecular Vision</i> , <b>2007</b> , 13, 1746-57	2.3	40
89	En face optical coherence tomography of foveal microstructure in full-thickness macular hole: a model to study perifoveal Müller cells. <i>American Journal of Ophthalmology</i> , <b>2015</b> , 159, 1142-1151.e3	4.9	39
88	RISK FACTORS FOR RECURRENCES OF CENTRAL SEROUS CHORIORETINOPATHY. <i>Retina</i> , <b>2018</b> , 38, 1403-1414	3.14	39
87	Poly-epsilon-caprolactone intravitreal devices: an in vivo study <b>2009</b> , 50, 2312-8		39
86	Blood-brain and retinal barriers show dissimilar ABC transporter impacts and concealed effect of P-glycoprotein on a novel verapamil influx carrier. <i>British Journal of Pharmacology</i> , <b>2016</b> , 173, 497-510	8.6	38
85	PKC $\delta$ mediates breakdown of outer blood-retinal barriers in diabetic retinopathy. <i>PLoS ONE</i> , <b>2013</b> , 8, e81600	3.7	38
84	In vitro and in vivo ocular biocompatibility of electrospun poly(e-caprolactone) nanofibers. <i>European Journal of Pharmaceutical Sciences</i> , <b>2015</b> , 73, 9-19	5.1	36

83	Mineralocorticoid receptor antagonism limits experimental choroidal neovascularization and structural changes associated with neovascular age-related macular degeneration. <i>Nature Communications</i> , <b>2019</b> , 10, 369	17.4	33
82	Comparison of two mineralocorticosteroids receptor antagonists for the treatment of central serous chorioretinopathy. <i>International Ophthalmology</i> , <b>2017</b> , 37, 1115-1125	2.2	32
81	On the retinal toxicity of intraocular glucocorticoids. <i>Biochemical Pharmacology</i> , <b>2010</b> , 80, 1878-86	6	32
80	Shift Work: A Risk Factor for Central Serous Chorioretinopathy. <i>American Journal of Ophthalmology</i> , <b>2016</b> , 165, 23-8	4.9	32
79	VP22 light controlled delivery of oligonucleotides to ocular cells in vitro and in vivo. <i>Molecular Vision</i> , <b>2005</b> , 11, 184-91	2.3	32
78	PATTERNS OF CHORIOCAPILLARIS FLOW SIGNAL VOIDS IN CENTRAL SEROUS CHORIORETINOPATHY: An Optical Coherence Tomography Angiography Study. <i>Retina</i> , <b>2019</b> , 39, 2178-2188	3.6	31
77	Discrepancy in current central serous chorioretinopathy classification. <i>British Journal of Ophthalmology</i> , <b>2019</b> , 103, 737-742	5.5	28
76	Resolution of foveal detachment in dome-shaped macula after treatment by spironolactone: report of two cases and mini-review of the literature. <i>Clinical Ophthalmology</i> , <b>2014</b> , 8, 999-1002	2.5	26
75	Macular Telangiectasia Type 1: Capillary Density and Microvascular Abnormalities Assessed by Optical Coherence Tomography Angiography. <i>American Journal of Ophthalmology</i> , <b>2016</b> , 167, 18-30	4.9	26
74	Glucocorticoids exert direct toxicity on microvasculature: analysis of cell death mechanisms. <i>Toxicological Sciences</i> , <b>2015</b> , 143, 441-53	4.4	25
73	Ocular biocompatibility of a poly(ortho ester) characterized by autocatalyzed degradation. <i>Journal of Biomedical Materials Research Part B</i> , <b>2003</b> , 67, 44-53		25
72	The aldosterone-mineralocorticoid receptor pathway exerts anti-inflammatory effects in endotoxin-induced uveitis. <i>PLoS ONE</i> , <b>2012</b> , 7, e49036	3.7	25
71	ROCK-1 mediates diabetes-induced retinal pigment epithelial and endothelial cell blebbing: Contribution to diabetic retinopathy. <i>Scientific Reports</i> , <b>2017</b> , 7, 8834	4.9	24
70	High prevalence of PRPH2 in autosomal dominant retinitis pigmentosa in france and characterization of biochemical and clinical features. <i>American Journal of Ophthalmology</i> , <b>2015</b> , 159, 302-14	4.9	24
69	Single-stranded oligonucleotide-mediated in vivo gene repair in the rd1 retina. <i>Molecular Vision</i> , <b>2007</b> , 13, 692-706	2.3	24
68	Tolerance of high and low amounts of PLGA microspheres loaded with mineralocorticoid receptor antagonist in retinal target site. <i>Journal of Controlled Release</i> , <b>2017</b> , 266, 187-197	11.7	22
67	Overexpressed or intraperitoneally injected human transferrin prevents photoreceptor degeneration in rd10 mice. <i>Molecular Vision</i> , <b>2010</b> , 16, 2612-25	2.3	22
66	Corticosteroids and the retina: a role for the mineralocorticoid receptor. <i>Current Opinion in Neurology</i> , <b>2016</b> , 29, 49-54	7.1	22

65	Local ocular immunomodulation resulting from electrotransfer of plasmid encoding soluble TNF receptors in the ciliary muscle <b>2009</b> , 50, 1761-8		21
64	Early effects of intravitreal triamcinolone on macular edema: mechanistic implication. <i>Ophthalmology</i> , <b>2006</b> , 113, 2048-53	7.3	21
63	Proteome and Metabolome of Subretinal Fluid in Central Serous Chorioretinopathy and Rhegmatogenous Retinal Detachment: A Pilot Case Study. <i>Translational Vision Science and Technology</i> , <b>2018</b> , 7, 3	3.3	21
62	Central Serous Chorioretinopathy. <i>Developments in Ophthalmology</i> , <b>2017</b> , 58, 27-38		20
61	The protective role of transferrin in Müller glial cells after iron-induced toxicity. <i>Molecular Vision</i> , <b>2008</b> , 14, 928-41	2.3	20
60	Enhanced oligonucleotide delivery to mouse retinal cells using iontophoresis. <i>Molecular Vision</i> , <b>2006</b> , 12, 1098-107	2.3	20
59	Ocular biocompatibility of dexamethasone acetate loaded poly( $\epsilon$ -caprolactone) nanofibers. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2019</b> , 142, 20-30	5.7	19
58	Cutaneous Wound Healing in Diabetic Mice Is Improved by Topical Mineralocorticoid Receptor Blockade. <i>Journal of Investigative Dermatology</i> , <b>2020</b> , 140, 223-234.e7	4.3	19
57	Iron is neurotoxic in retinal detachment and transferrin confers neuroprotection. <i>Science Advances</i> , <b>2019</b> , 5, eaau9940	14.3	18
56	The ciliary smooth muscle electrotransfer: basic principles and potential for sustained intraocular production of therapeutic proteins. <i>Journal of Gene Medicine</i> , <b>2010</b> , 12, 904-19	3.5	18
55	Effects of triamcinolone acetonide on vessels of the posterior segment of the eye. <i>Molecular Vision</i> , <b>2009</b> , 15, 2634-48	2.3	18
54	Review: The bile acids urso- and tauroursodeoxycholic acid as neuroprotective therapies in retinal disease. <i>Molecular Vision</i> , <b>2019</b> , 25, 610-624	2.3	18
53	Two-year follow-up of mineralocorticoid receptor antagonists for chronic central serous chorioretinopathy. <i>British Journal of Ophthalmology</i> , <b>2019</b> , 103, 1184-1189	5.5	18
52	Treatment of Uveitis by In Situ Administration of Ex Vivo-Activated Polyclonal Regulatory T Cells. <i>Journal of Immunology</i> , <b>2016</b> , 196, 2109-18	5.3	17
51	Targeting iron-mediated retinal degeneration by local delivery of transferrin. <i>Free Radical Biology and Medicine</i> , <b>2015</b> , 89, 1105-21	7.8	17
50	Pachychoroid: current concepts on clinical features and pathogenesis. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , <b>2021</b> , 259, 1385-1400	3.8	17
49	Non-viral ocular gene therapy, pEYS606, for the treatment of non-infectious uveitis: Preclinical evaluation of the medicinal product. <i>Journal of Controlled Release</i> , <b>2018</b> , 285, 244-251	11.7	16
48	Venous overload choroidopathy: A hypothetical framework for central serous chorioretinopathy and allied disorders. <i>Progress in Retinal and Eye Research</i> , <b>2021</b> , 100973	20.5	15

47	Ocular distribution, spectrum of activity, and in vivo viral neutralization of a fully humanized anti-herpes simplex virus IgG Fab fragment following topical application. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2012</b> , 56, 1390-402	5.9	14
46	On the use of an appropriate TdT-mediated dUTP-biotin nick end labeling assay to identify apoptotic cells. <i>Analytical Biochemistry</i> , <b>2015</b> , 480, 37-41	3.1	12
45	From Rust to Quantum Biology: The Role of Iron in Retina Physiopathology. <i>Cells</i> , <b>2020</b> , 9,	7.9	12
44	Transscleral Optical Phase Imaging of the Human Retina. <i>Nature Photonics</i> , <b>2020</b> , 14, 439-445	33.9	12
43	Mineralocorticoid antagonists in the treatment of central serous chorioetopathy: Review of the pre-clinical and clinical evidence. <i>Experimental Eye Research</i> , <b>2019</b> , 187, 107754	3.7	12
42	Evaluation of tolerance to lentiviral LV-RPE65 gene therapy vector after subretinal delivery in non-human primates. <i>Translational Research</i> , <b>2017</b> , 188, 40-57.e4	11	12
41	Choroidal mast cells in retinal pathology: a potential target for intervention. <i>American Journal of Pathology</i> , <b>2015</b> , 185, 2083-95	5.8	11
40	Sustained-release steroids for the treatment of diabetic macular edema. <i>Current Diabetes Reports</i> , <b>2015</b> , 15, 99	5.6	11
39	CONCURRENT IDIOPATHIC MACULAR TELANGIECTASIA TYPE 2 AND CENTRAL SEROUS CHORIORETINOPATHY. <i>Retina</i> , <b>2018</b> , 38 Suppl 1, S67-S78	3.6	11
38	Effect of acute and chronic aldosterone exposure on the retinal pigment epithelium-choroid complex in rodents. <i>Experimental Eye Research</i> , <b>2019</b> , 187, 107747	3.7	11
37	EFFICACY OF INTRAVITREAL AFLIBERCEPT IN MACULAR TELANGIECTASIA TYPE 1 IS LINKED TO THE OCULAR ANGIOGENIC PROFILE. <i>Retina</i> , <b>2017</b> , 37, 2226-2237	3.6	10
36	Recent advances in slow and sustained drug release for retina drug delivery. <i>Expert Opinion on Drug Delivery</i> , <b>2019</b> , 16, 679-686	8	10
35	Central serous chorioretinopathy imaging biomarkers. <i>British Journal of Ophthalmology</i> , <b>2020</b> ,	5.5	10
34	The Academic-Industrial Complexity: Failure to Launch. <i>Trends in Pharmacological Sciences</i> , <b>2017</b> , 38, 1052-1060	13.2	8
33	Glial cells of the human fovea. <i>Molecular Vision</i> , <b>2020</b> , 26, 235-245	2.3	8
32	Predictors of treatment response to intravitreal anti-vascular endothelial growth factor (anti-VEGF) therapy for choroidal neovascularisation secondary to chronic central serous chorioretinopathy. <i>British Journal of Ophthalmology</i> , <b>2020</b> , 104, 910-916	5.5	8
31	Transferrin Non-Viral Gene Therapy for Treatment of Retinal Degeneration. <i>Pharmaceutics</i> , <b>2020</b> , 12,	6.4	7
30	Oral Ursodeoxycholic Acid Crosses the Blood Retinal Barrier in Patients with Retinal Detachment and Protects Against Retinal Degeneration in an Ex Vivo Model. <i>Neurotherapeutics</i> , <b>2021</b> , 18, 1325-1338	6.4	7

29	Ocular safety of Intravitreal Clindamycin Hydrochloride Released by PLGA Implants. <i>Pharmaceutical Research</i> , <b>2017</b> , 34, 1083-1092	4.5	6
28	Bioactive Glass Nanoparticles-Loaded Poly(e-caprolactone) Nanofiber as Substrate for ARPE-19 Cells. <i>Journal of Nanomaterials</i> , <b>2016</b> , 2016, 1-12	3.2	6
27	CHANGES IN VISUAL ACUITY AND PHOTORECEPTOR DENSITY USING ADAPTIVE OPTICS AFTER RETINAL DETACHMENT REPAIR. <i>Retina</i> , <b>2020</b> , 40, 376-386	3.6	6
26	The antidiabetic drug glibenclamide exerts direct retinal neuroprotection. <i>Translational Research</i> , <b>2021</b> , 229, 83-99	11	6
25	Did the COVID-19 Pandemic Increase the Incidence of Acute Macular Neuroretinopathy?. <i>Journal of Clinical Medicine</i> , <b>2021</b> , 10,	5.1	5
24	Towards an Optimized Use of Ocular Corticosteroids: EURETINA Award Lecture 2017. <i>Ophthalmologica</i> , <b>2018</b> , 240, 111-119	3.7	4
23	Management of central serous chorioretinopathy: Expert panel discussion. <i>Indian Journal of Ophthalmology</i> , <b>2018</b> , 66, 1700-1703	1.6	3
22	Long-Term Oral Treatment with Non-Hypoglycemic Dose of Glibenclamide Reduces Diabetic Retinopathy Damage in the Goto-KakizakiRat Model. <i>Pharmaceutics</i> , <b>2021</b> , 13,	6.4	3
21	Mineralocorticoid Receptor Pathway and Its Antagonism in a Model of Diabetic Retinopathy. <i>Diabetes</i> , <b>2021</b> , 70, 2668-2682	0.9	3
20	Retinal safety of intravitreal rtPA in healthy rats and under excitotoxic conditions. <i>Molecular Vision</i> , <b>2016</b> , 22, 1332-1341	2.3	2
19	COVID-19 Associated Choroidopathy. <i>Journal of Clinical Medicine</i> , <b>2021</b> , 10,	5.1	2
18	Irvine-Gass Macular Edema Responding to the Combination of Oral Mineralocorticoid-Receptor Antagonist With Dexamethasone Drops. <i>Ophthalmic Surgery Lasers and Imaging Retina</i> , <b>2017</b> , 48, 936-942	1.4	2
17	An Model of Human Retinal Detachment Reveals Successive Death Pathway Activations. <i>Frontiers in Neuroscience</i> , <b>2020</b> , 14, 571293	5.1	2
16	Choroidal imaging in patients with Cushing syndrome. <i>Acta Ophthalmologica</i> , <b>2021</b> , 99, 533-537	3.7	2
15	Pathogenic Effects of Mineralocorticoid Pathway Activation in Retinal Pigment Epithelium. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	2
14	Ocular Barriers and Their Influence on Gene Therapy Products Delivery. <i>Pharmaceutics</i> , <b>2022</b> , 14, 998	6.4	2
13	Potential antiedematous effects of intravitreal anti-VEGF, unrelated to VEGF neutralization. <i>Drug Discovery Today</i> , <b>2019</b> , 24, 1436-1439	8.8	1
12	Method for retinal gene repair in neonatal mouse. <i>Methods in Molecular Biology</i> , <b>2014</b> , 1114, 387-98	1.4	1

11	Effect of eplerenone on choroidal blood flow changes during isometric exercise in patients with chronic central serous chorioretinopathy. <i>Acta Ophthalmologica</i> , <b>2021</b> , 99, e1375-e1381	3.7	1
10	Meteorin Is a Novel Therapeutic Target for Wet Age-Related Macular Degeneration. <i>Journal of Clinical Medicine</i> , <b>2021</b> , 10,	5.1	1
9	Letter to the editor from Behar-Cohen, et al: "The Cortisol Response of Male and Female Choroidal Endothelial Cells: Implications for Central Serous Chorioretinopathy".. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2021</b> ,	5.6	1
8	Fluocinolone acetonide implant in diabetic macular edema: International expertsSpael consensus guidelines and treatment algorithm.. <i>European Journal of Ophthalmology</i> , <b>2022</b> , 11206721221080288	1.9	0
7	Wnt6 plays a complex role in maintaining human limbal stem/progenitor cells. <i>Scientific Reports</i> , <b>2021</b> , 11, 20948	4.9	0
6	Validation of central serous chorioretinopathy multimodal imaging-based classification system. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , <b>2021</b> , 1	3.8	0
5	Pathophysiology of CSCR <b>2019</b> , 3-10		
4	Antidepressant medication and ocular factors in association with the need for anti-VEGF retreatment in neovascular age-related macular degeneration. <i>British Journal of Ophthalmology</i> , <b>2019</b> , 103, 811-815	5.5	
3	Reply: To PMID 23719402. <i>Retina</i> , <b>2014</b> , 34, e20-1	3.6	
2	Mechanisms of Macular Edema <b>2017</b> , 7-25		
1	Ocular Biodistribution of Spironolactone after a Single Intravitreal Injection of a Biodegradable Sustained-Release Polymer in Rats. <i>Molecular Pharmaceutics</i> , <b>2020</b> , 17, 59-69	5.6	