

Chi-Chao Chan

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131
papers

5,928
citations

38
h-index

75
g-index

142
ext. papers

6,729
ext. citations

5.4
avg, IF

5.54
L-index

#	Paper	IF	Citations
131	Either a Th17 or a Th1 effector response can drive autoimmunity: conditions of disease induction affect dominant effector category. <i>Journal of Experimental Medicine</i> , 2008 , 205, 799-810	16.6	556
130	The Rd8 mutation of the Crb1 gene is present in vendor lines of C57BL/6N mice and embryonic stem cells, and confounds ocular induced mutant phenotypes 2012 , 53, 2921-7		477
129	Age-related macular degeneration. <i>Lancet, The</i> , 2008 , 372, 1835-45	40	407
128	Primary vitreoretinal lymphoma: a report from an International Primary Central Nervous System Lymphoma Collaborative Group symposium. <i>Oncologist</i> , 2011 , 16, 1589-99	5.7	287
127	Microbiota-Dependent Activation of an Autoreactive T Cell Receptor Provokes Autoimmunity in an Immunologically Privileged Site. <i>Immunity</i> , 2015 , 43, 343-53	32.3	246
126	Effectiveness of cyclosporin therapy for Behçet's disease. <i>Arthritis and Rheumatism</i> , 1985 , 28, 671-9		168
125	Intraocular lymphoma: update on diagnosis and management. <i>Cancer Control</i> , 2004 , 11, 285-95	2.2	158
124	Aging is not a disease: distinguishing age-related macular degeneration from aging. <i>Progress in Retinal and Eye Research</i> , 2013 , 37, 68-89	20.5	145
123	Macrophage polarization in the maculae of age-related macular degeneration: a pilot study. <i>Pathology International</i> , 2011 , 61, 528-35	1.8	142
122	Complement component C5a promotes expression of IL-22 and IL-17 from human T cells and its implication in age-related macular degeneration. <i>Journal of Translational Medicine</i> , 2011 , 9, 1-12	8.5	134
121	Hypomethylation of the IL17RC promoter associates with age-related macular degeneration. <i>Cell Reports</i> , 2012 , 2, 1151-8	10.6	130
120	Immunopathological aspects of age-related macular degeneration. <i>Seminars in Immunopathology</i> , 2008 , 30, 97-110	12	129
119	Blood-retinal barrier (BRB) breakdown in experimental autoimmune uveoretinitis: comparison with vascular endothelial growth factor, tumor necrosis factor alpha, and interleukin-1beta-mediated breakdown. <i>Journal of Neuroscience Research</i> , 1997 , 49, 268-80	4.4	127
118	Intraocular lymphoma. <i>Current Opinion in Ophthalmology</i> , 2002 , 13, 411-8	5.1	126
117	Structural abnormalities develop in the brain after ablation of the gene encoding nonmuscle myosin II-B heavy chain. <i>Journal of Comparative Neurology</i> , 2001 , 433, 62-74	3.4	98
116	Molecular pathology of primary intraocular lymphoma. <i>Transactions of the American Ophthalmological Society</i> , 2003 , 101, 275-92		98
115	Autoimmune and autoinflammatory mechanisms in uveitis. <i>Seminars in Immunopathology</i> , 2014 , 36, 581-94		92

114	Ccl2/Cx3cr1-deficient mice: an animal model for age-related macular degeneration. <i>Ophthalmic Research</i> , 2008 , 40, 124-8	2.9	80
113	Expression of chemokine receptors, CXCR4 and CXCR5, and chemokines, BLC and SDF-1, in the eyes of patients with primary intraocular lymphoma. <i>Ophthalmology</i> , 2003 , 110, 421-6	7.3	79
112	Endotoxin induced uveitis in the mouse: susceptibility and genetic control. <i>Experimental Eye Research</i> , 1995 , 61, 629-32	3.7	72
111	Consensus on the Diagnosis and Management of Nonparaneoplastic Autoimmune Retinopathy Using a Modified Delphi Approach. <i>American Journal of Ophthalmology</i> , 2016 , 168, 183-190	4.9	72
110	T cell mechanisms in experimental autoimmune uveoretinitis: susceptibility is a function of the cytokine response profile. <i>Eye</i> , 1997 , 11 (Pt 2), 209-12	4.4	69
109	Molecular biomarkers for the diagnosis of primary vitreoretinal lymphoma. <i>International Journal of Molecular Sciences</i> , 2011 , 12, 5684-97	6.3	67
108	Current concepts in diagnosing and managing primary vitreoretinal (intraocular) lymphoma. <i>Discovery Medicine</i> , 2013 , 15, 93-100	2.5	66
107	The effects of quercetin in cultured human RPE cells under oxidative stress and in Ccl2/Cx3cr1 double deficient mice. <i>Experimental Eye Research</i> , 2010 , 91, 15-25	3.7	64
106	A high omega-3 fatty acid diet reduces retinal lesions in a murine model of macular degeneration. <i>American Journal of Pathology</i> , 2009 , 175, 799-807	5.8	60
105	Both Th1 and Th17 are immunopathogenic but differ in other key biological activities. <i>Journal of Immunology</i> , 2008 , 180, 7414-22	5.3	58
104	Retina-specific T regulatory cells bring about resolution and maintain remission of autoimmune uveitis. <i>Journal of Immunology</i> , 2015 , 194, 3011-9	5.3	56
103	Treatment of autoimmune uveoretinitis in the rat with rapamycin, an inhibitor of lymphocyte growth factor signal transduction. <i>Current Eye Research</i> , 1993 , 12, 197-203	2.9	53
102	Prediction of myopia development among Chinese school-aged children using refraction data from electronic medical records: A retrospective, multicentre machine learning study. <i>PLoS Medicine</i> , 2018 , 15, e1002674	11.6	49
101	IL-27p28 inhibits central nervous system autoimmunity by concurrently antagonizing Th1 and Th17 responses. <i>Journal of Autoimmunity</i> , 2014 , 50, 12-22	15.5	47
100	Long-term culture of Muller cells from adult rats in the presence of activated lymphocytes/monocytes products. <i>Current Eye Research</i> , 1985 , 4, 975-82	2.9	45
99	Detection of Toxoplasma gondii DNA in primary intraocular B-cell lymphoma. <i>Modern Pathology</i> , 2001 , 14, 995-9	9.8	43
98	NLRP3 Upregulation in Retinal Pigment Epithelium in Age-Related Macular Degeneration. <i>International Journal of Molecular Sciences</i> , 2016 , 17,	6.3	42
97	Immune mechanisms in choroïdo-retinal inflammation in man. <i>Eye</i> , 1990 , 4 (Pt 2), 345-53	4.4	41

96	Acute retinal necrosis associated with Epstein-Barr virus: immunohistopathologic confirmation. <i>JAMA Ophthalmology</i> , 2014 , 132, 881-2	3.9	39
95	Pigment epithelium-derived factor reduces apoptosis and pro-inflammatory cytokine gene expression in a murine model of focal retinal degeneration. <i>ASN Neuro</i> , 2013 , 5, e00126	5.3	38
94	Diagnosis of systemic metastatic retinal lymphoma. <i>Acta Ophthalmologica</i> , 2011 , 89, e149-54	3.7	38
93	Human HtrA1 in the archived eyes with age-related macular degeneration. <i>Transactions of the American Ophthalmological Society</i> , 2007 , 105, 92-7; discussion 97-8		38
92	Distinct microRNA-155 expression in the vitreous of patients with primary vitreoretinal lymphoma and uveitis. <i>American Journal of Ophthalmology</i> , 2014 , 157, 728-34	4.9	37
91	Induction of ocular inflammation by T-helper lymphocytes type 2. <i>Investigative Ophthalmology and Visual Science</i> , 2002 , 43, 758-65		36
90	Anti-Ia antibody diminishes ocular inflammation in experimental autoimmune uveitis. <i>Current Eye Research</i> , 1988 , 7, 809-18	2.9	35
89	Splenectomy abrogates the induction of oral tolerance in experimental autoimmune uveoretinitis. <i>Current Eye Research</i> , 1993 , 12, 833-9	2.9	34
88	Enhanced apoptosis in retinal pigment epithelium under inflammatory stimuli and oxidative stress. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2012 , 17, 1144-55	5.4	32
87	Inflammation and Cell Death in Age-Related Macular Degeneration: An Immunopathological and Ultrastructural Model. <i>Journal of Clinical Medicine</i> , 2014 , 3, 1542-60	5.1	31
86	Murine model of primary intraocular lymphoma. <i>Investigative Ophthalmology and Visual Science</i> , 2005 , 46, 415-9		31
85	ZIKA virus infection causes persistent chorioretinal lesions. <i>Emerging Microbes and Infections</i> , 2018 , 7, 96	18.9	31
84	Polymerase chain reaction in the diagnosis of uveitis. <i>International Ophthalmology Clinics</i> , 2005 , 45, 41-55.7	5.7	30
83	Interleukin-17 retinotoxicity is prevented by gene transfer of a soluble interleukin-17 receptor acting as a cytokine blocker: implications for age-related macular degeneration. <i>PLoS ONE</i> , 2014 , 9, e95900	3.7	30
82	The Cytokine IL-17A Limits Th17 Pathogenicity via a Negative Feedback Loop Driven by Autocrine Induction of IL-24. <i>Immunity</i> , 2020 , 53, 384-397.e5	32.3	30
81	Gut microbiota as a source of a surrogate antigen that triggers autoimmunity in an immune privileged site. <i>Gut Microbes</i> , 2017 , 8, 59-66	8.8	29
80	Inflammatory cellular kinetics in sympathetic ophthalmia a study of 29 traumatized (exciting) eyes. <i>Ocular Immunology and Inflammation</i> , 1993 , 1, 255-62	2.8	29
79	Naloxone ameliorates retinal lesions in Ccl2/Cx3cr1 double-deficient mice via modulation of microglia 2011 , 52, 2897-904		27

78	FK506 treatment of S-antigen induced uveitis in primates. <i>Current Eye Research</i> , 1991 , 10, 679-90	2.9	27
77	Wnt signaling in age-related macular degeneration: human macular tissue and mouse model. <i>Journal of Translational Medicine</i> , 2015 , 13, 330	8.5	26
76	Characterization of a New Epitope of IRBP That Induces Moderate to Severe Uveoretinitis in Mice With H-2b Haplotype 2015 , 56, 5439-49		26
75	Interleukin-1beta increases baseline expression and secretion of interleukin-6 by human uveal melanocytes in vitro via the p38 MAPK/NF-kappaB pathway 2011 , 52, 3767-74		26
74	Tertiary Lymphoid Tissue Forms in Retinas of Mice with Spontaneous Autoimmune Uveitis and Has Consequences on Visual Function. <i>Journal of Immunology</i> , 2016 , 196, 1013-25	5.3	25
73	Complement anaphylatoxin receptors C3aR and C5aR are required in the pathogenesis of experimental autoimmune uveitis. <i>Journal of Leukocyte Biology</i> , 2016 , 99, 447-54	6.5	24
72	Unfolding the Therapeutic Potential of Chemical Chaperones for Age-related Macular Degeneration. <i>Expert Review of Ophthalmology</i> , 2008 , 3, 29-42	1.5	24
71	Effects of topical FK506 on endotoxin-induced uveitis (EIU) in the Lewis rat. <i>Current Eye Research</i> , 1995 , 14, 209-14	2.9	24
70	Influence of TIMP3/SYN3 polymorphisms on the phenotypic presentation of age-related macular degeneration. <i>European Journal of Human Genetics</i> , 2013 , 21, 1152-7	5.3	22
69	Immunohistochemical analysis of experimental autoimmune uveoretinitis (EAU) induced by interphotoreceptor retinoid-binding protein (IRBP) in the rat. <i>Immunological Investigations</i> , 1987 , 16, 63-74	2.9	22
68	Constitutive and LPS-induced expression of MCP-1 and IL-8 by human uveal melanocytes in vitro and relevant signal pathways 2014 , 55, 5760-9		21
67	Cytokine gene expression in different strains of mice with endotoxin-induced uveitis (EIU). <i>Ocular Immunology and Inflammation</i> , 2000 , 8, 221-5	2.8	21
66	Use of ACAID to suppress interphotoreceptor retinoid binding protein-induced experimental autoimmune uveitis. <i>Current Eye Research</i> , 1992 , 11 Suppl, 97-100	2.9	19
65	Molecular pathology of macrophages and interleukin-17 in age-related macular degeneration. <i>Advances in Experimental Medicine and Biology</i> , 2014 , 801, 193-8	3.6	19
64	Diagnosis of occult melanoma using transient receptor potential melastatin 1 (TRPM1) autoantibody testing: a novel approach. <i>Ophthalmology</i> , 2013 , 120, 2560-2564	7.3	18
63	Pseudovirus rVSVΔG-ZEBOV-GP Infects Neurons in Retina and CNS, Causing Apoptosis and Neurodegeneration in Neonatal Mice. <i>Cell Reports</i> , 2019 , 26, 1718-1726.e4	10.6	15
62	Logistic Regression Classification of Primary Vitreoretinal Lymphoma versus Uveitis by Interleukin 6 and Interleukin 10 Levels. <i>Ophthalmology</i> , 2020 , 127, 956-962	7.3	14
61	Implications of DNA leakage in eyes of mutant mice. <i>Ultrastructural Pathology</i> , 2014 , 38, 335-43	1.3	14

60	Functional single nucleotide polymorphism in IL-17A 3' untranslated region is targeted by miR-4480 in vitro and may be associated with age-related macular degeneration. <i>Environmental and Molecular Mutagenesis</i> , 2016 , 57, 58-64	3.2	13
59	The future of primary intraocular lymphoma (retinal lymphoma). <i>Ocular Immunology and Inflammation</i> , 2009 , 17, 375-9	2.8	13
58	Mutation in the intracellular chloride channel CLCC1 associated with autosomal recessive retinitis pigmentosa. <i>PLoS Genetics</i> , 2018 , 14, e1007504	6	13
57	Gradient Boosted Decision Tree Classification of Endophthalmitis Versus Uveitis and Lymphoma from Aqueous and Vitreous IL-6 and IL-10 Levels. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 2017 , 33, 319-324	2.6	12
56	Gender differences in vogt-koyanagi-harada disease and sympathetic ophthalmia. <i>Journal of Ophthalmology</i> , 2014 , 2014, 157803	2	12
55	FR900506 (FK506) and 15-deoxyspergualin (15-DSCG) modulate the kinetics of infiltrating cells in eyes with experimental autoimmune uveoretinitis. <i>Autoimmunity</i> , 1990 , 8, 43-51	3	12
54	Cyclosporine and dexamethasone inhibit T-lymphocyte MHC class II antigens and IL-2 receptor expression in experimental autoimmune uveitis. <i>Immunological Investigations</i> , 1987 , 16, 319-31	2.9	12
53	Platelet-derived growth factor (PDGF)-C inhibits neuroretinal apoptosis in a murine model of focal retinal degeneration. <i>Laboratory Investigation</i> , 2014 , 94, 674-82	5.9	11
52	Developmental expression of S-antigen in fetal human and rat eye. <i>Current Eye Research</i> , 1992 , 11, 219-229		11
51	Immunopathology of experimental autoimmune uveoretinitis in primates. <i>Autoimmunity</i> , 1992 , 13, 303-9		11
50	Nephropathic cystinosis: immunohistochemical and histopathologic studies of cornea, conjunctiva and iris. <i>Current Eye Research</i> , 1987 , 6, 617-22	2.9	11
49	Therapeutic applications of antiflammin peptides in experimental ocular inflammation. <i>Annals of the New York Academy of Sciences</i> , 2000 , 923, 141-6	6.5	10
48	Suppressive effect of antiflammin-2 on compound 48/80-induced conjunctivitis. Role of phospholipase A2s and inducible nitric oxide synthase. <i>Ocular Immunology and Inflammation</i> , 1998 , 6, 65-73	2.8	10
47	Injury of Müller cells increases the incidence of experimental autoimmune uveoretinitis. <i>Clinical Immunology and Immunopathology</i> , 1991 , 59, 201-7		10
46	Vitreoretinal lymphomas misdiagnosed as uveitis: Lessons learned from a case series. <i>Indian Journal of Ophthalmology</i> , 2016 , 64, 369-75	1.6	10
45	Pathology characteristics of ocular von Hippel-Lindau disease with neovascularization of the iris and cornea: a case report. <i>Journal of Medical Case Reports</i> , 2015 , 9, 66	1.2	9
44	The role of apoptosis in the early corneal wound healing after excimer laser keratectomy in the rat. <i>Graefels Archive for Clinical and Experimental Ophthalmology</i> , 2000 , 238, 853-60	3.8	9
43	Animal models of age-related macular degeneration and their translatability into the clinic. <i>Expert Review of Ophthalmology</i> , 2014 , 9, 285-295	1.5	8

42	The first Western-style hospital in China. <i>JAMA Ophthalmology</i> , 2011 , 129, 791-7		8
41	Couching for cataract in China. <i>Survey of Ophthalmology</i> , 2010 , 55, 393-8	6.1	8
40	Inhibition of cellular transfer of experimental autoimmune uveoretinitis by Rapamycin. <i>Ocular Immunology and Inflammation</i> , 1993 , 1, 269-73	2.8	8
39	Immunopathology of ocular onchocerciasis 3. Th-2 helper T cells in the conjunctiva. <i>Ocular Immunology and Inflammation</i> , 1993 , 1, 71-8	2.8	8
38	Carboxyethylpyrrole plasma biomarkers in age-related macular degeneration. <i>Drugs of the Future</i> , 2011 , 36, 712-718	2.3	8
37	Interleukin 22 ameliorates neuropathology and protects from central nervous system autoimmunity. <i>Journal of Autoimmunity</i> , 2019 , 102, 65-76	15.5	7
36	Intraocular Lymphoma Models. <i>Ocular Oncology and Pathology</i> , 2015 , 1, 214-22	1.6	7
35	Systems Biology Profiling of AMD on the Basis of Gene Expression. <i>Journal of Ophthalmology</i> , 2013 , 2013, 453934	2	7
34	Cytokines and apoptotic molecules in experimental melanin-protein induced uveitis (EMIU) and experimental autoimmune uveoretinitis (EAU). <i>Autoimmunity</i> , 1999 , 30, 171-82	3	7
33	L-2-oxothiazolidine-4-carboxylic acid attenuates oxidative stress and inflammation in retinal pigment epithelium. <i>Molecular Vision</i> , 2014 , 20, 73-88	2.3	7
32	Classical pathology of sympathetic ophthalmia presented in a unique case. <i>Open Ophthalmology Journal</i> , 2014 , 8, 32-8	0.9	7
31	Minimal Efficacy of Nitisinone Treatment in a Novel Mouse Model of Oculocutaneous Albinism, Type 3 2018 , 59, 4945-4952		7
30	Uveal melanocytes express high constitutive levels of MMP-8 which can be upregulated by TNF- α via the MAPK pathway. <i>Experimental Eye Research</i> , 2018 , 175, 181-191	3.7	6
29	Responses of Multipotent Retinal Stem Cells to IL-1 β , IL-18, or IL-17. <i>Journal of Ophthalmology</i> , 2015 , 2015, 369312	2	5
28	Evaluating Potential Therapies in a Mouse Model of Focal Retinal Degeneration with Age-related Macular Degeneration (AMD)-Like Lesions. <i>Journal of Clinical & Experimental Ophthalmology</i> , 2013 , 4, 1000296	0	5
27	Identification of an intraocular microbiota. <i>Cell Discovery</i> , 2021 , 7, 13	22.3	5
26	Synergism between corticosteroids and Rapamycin for the treatment of intraocular inflammation. <i>Ocular Immunology and Inflammation</i> , 1995 , 3, 195-202	2.8	4
25	Immunohistochemical localization of T lymphocytes and macrophages and expression of interferon gamma and defensin in uveitis. <i>Ocular Immunology and Inflammation</i> , 1994 , 2, 153-9	2.8	4

24	The effect of chlorpromazine on endotoxin-induced uveitis in the Lewis rat. <i>Current Eye Research</i> , 1992 , 11, 843-8	2.9	4
23	Acute Retinal Necrosis with Multiple Viral Infections: A Case Report 2014 , 3,		4
22	Vascular Changes in the Retina and Choroid of Patients With EPAS1 Gain-of-Function Mutation Syndrome. <i>JAMA Ophthalmology</i> , 2020 , 138, 148-155	3.9	4
21	Autoimmunity to neuroretina in the concurrent absence of IFN- γ and IL-17A is mediated by a GM-CSF-driven eosinophilic inflammation. <i>Journal of Autoimmunity</i> , 2020 , 114, 102507	15.5	3
20	Unlike Th1/Th17 cells, Th2/Th9 cells selectively migrate to the limbus/conjunctiva and initiate an eosinophilic infiltration process. <i>Experimental Eye Research</i> , 2018 , 166, 116-119	3.7	3
19	Genetic background-dependent role of for eyelid development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E7131-E7139	11.5	3
18	Case 01-2017 - Primary vitreoretinal lymphoma (PVRL): report of a case and update of literature from 1942 to 2016. <i>Annals of Eye Science</i> , 2017 , 2,	0.9	3
17	Multimodal Imaging Features of Bilateral Choroidal Ganglioneuroma. <i>Journal of Ophthalmology</i> , 2020 , 2020, 6231269	2	2
16	Gender and uveitis. <i>Journal of Ophthalmology</i> , 2014 , 2014, 818070	2	2
15	The potential pathophysiological role of tissue factor in age-related macular degeneration. <i>Expert Review of Ophthalmology</i> , 2010 , 5, 27-34	1.5	2
14	Ocular inflammation stimulated by the immunomodulator AS101 [ammonium trichloro(dioxyethylene-O-O) tellurate]. <i>Current Eye Research</i> , 1994 , 13, 603-10	2.9	2
13	No Sex Differences in the Frequencies of Common Single Nucleotide Polymorphisms Associated with Age-Related Macular Degeneration. <i>Current Eye Research</i> , 2017 , 42, 470-475	2.9	1
12	Ten Chairpersons of the Ophthalmology Department at Peking Union Medical College. <i>Asia-Pacific Journal of Ophthalmology</i> , 2013 , 2, 3-8	3.5	1
11	The eyes of transforming growth factor- α 1 (TGF- α 1) transgenic mice Morphology and the development of endotoxin-induced uveitis. <i>Ocular Immunology and Inflammation</i> , 1996 , 4, 183-91	2.8	1
10	Clinical pathologic findings of Propionibacterium acnes endophthalmitis. <i>Ocular Immunology and Inflammation</i> , 1996 , 4, 69-74	2.8	1
9	Altered Erp29 and Htra1 in cultured retinal pigment epithelial (RPE) cells of Ccl2/Cx3cr1 deficient mice is a model of age-related macular degeneration. <i>FASEB Journal</i> , 2007 , 21, A763	0.9	1
8	AAV-mediated sFLT-1 gene therapy ameliorates retinal lesions in Ccl2/Cx3cr1 deficient mice. <i>FASEB Journal</i> , 2010 , 24, 568.8	0.9	1
7	Acute immunosuppression and syngeneic bone marrow transplantation in ocular autoimmunity abort disease, but do not result in induction of long-term protection. <i>Ocular Immunology and Inflammation</i> , 1998 , 6, 163-72	2.8	

- 6 Toll-like receptor 2 and 6 agonist fibroblast-stimulating lipopeptide increases expression and secretion of CXCL1 and CXCL2 by uveal melanocytes.. *Experimental Eye Research*, **2022**, 216, 108943 3.7
- 5 Expression of clusterin and VEGF in diabetic retinopathy. *FASEB Journal*, **2007**, 21, A130 0.9
- 4 Genetics and Pathology of Inflammatory Components on AMD. *Essentials in Ophthalmology*, **2017**, 193-208
- 3 The Effect of Quercetin in Cultured Human RPE Cells under Oxidative Stress and in Ccl2/Cx3cr1 Double Deficient Mice. *FASEB Journal*, **2010**, 24, 753.4 0.9
- 2 Histopathology of Age-Related Macular Degeneration and Implications for Pathogenesis and Therapy. *Advances in Experimental Medicine and Biology*, **2021**, 1256, 67-88 3.6
- 1 Clinical and Histopathologic Correlates of Asymmetric Retinitis Pigmentosa. *JAMA Ophthalmology*, **2021**, 139, 1029-1032 3.9