Rachel R Caspi

List of Publications by Year in Descending Order

80 papers	4,496 citations	34 h-index	66 g-index
203 ext. papers	5,173 ext. citations	8.6 avg, IF	5.87 L-index

#	Paper	IF	Citations
80	Uveitis-mediated immune cell invasion through the extracellular matrix of the lens capsule. *FASEB Journal*, **2022**, 36, e21995	0.9	
79	Draft Reference Genome Sequence of Corynebacterium mastitidis RC, an Ocular Commensal, Isolated from Mouse Conjunctiva.. *Microbiology Resource Announcements*, **2022**, e0018722	1.3	1
78	Autoimmunity to neuroretina in the concurrent absence of IFN-γ and IL-17A is mediated by a GM-CSF-driven eosinophilic inflammation. *Journal of Autoimmunity*, **2020**, 114, 102507	15.5	3
77	Tofacitinib inhibits the development of experimental autoimmune uveitis and reduces the proportions of Th1 but not of Th17 cells. *Molecular Vision*, **2020**, 26, 641-651	2.3	6
76	A novel role for lipoxin A in driving a lymph node-eye axis that controls autoimmunity to the neuroretina. *ELife*, **2020**, 9,	8.9	7
75	The Cytokine IL-17A Limits Th17 Pathogenicity via a Negative Feedback Loop Driven by Autocrine Induction of IL-24. *Immunity*, **2020**, 53, 384-397.e5	32.3	30
74	T cell-intrinsic role for Nod2 in protection against Th17-mediated uveitis. *Nature Communications*, **2020**, 11, 5406	17.4	7
73	Microbiota as Drivers and as Therapeutic Targets in Ocular and Tissue Specific Autoimmunity. *Frontiers in Cell and Developmental Biology*, **2020**, 8, 606751	5.7	3
72	Regulated Tristetraprolin Overexpression Dampens the Development and Pathogenesis of Experimental Autoimmune Uveitis. *Frontiers in Immunology*, **2020**, 11, 583510	8.4	1
71	Tellurium Compounds Prevent and Reverse Type-1 Diabetes in NOD Mice by Modulating α4β7 Integrin Activity, IL-1β and T Regulatory Cells. *Frontiers in Immunology*, **2019**, 10, 979	8.4	6
70	Interleukin 22 ameliorates neuropathology and protects from central nervous system autoimmunity. *Journal of Autoimmunity*, **2019**, 102, 65-76	15.5	7
69	Microbiome and Autoimmune Uveitis. *Frontiers in Immunology*, **2019**, 10, 232	8.4	64
68	AS101 ameliorates experimental autoimmune uveitis by regulating Th1 and Th17 responses and inducing Treg cells. *Journal of Autoimmunity*, **2019**, 100, 52-61	15.5	16
67	Type I Interferon Therapy Limits CNS Autoimmunity by Inhibiting CXCR3-Mediated Trafficking of Pathogenic Effector T Cells. *Cell Reports*, **2019**, 28, 486-497.e4	10.6	8
66	Pseudovirus rVSVΔG-ZEBOV-GP Infects Neurons in Retina and CNS, Causing Apoptosis and Neurodegeneration in Neonatal Mice. *Cell Reports*, **2019**, 26, 1718-1726.e4	10.6	15
65	Clinical and Functional Evaluation of Ocular Inflammatory Disease Using the Model of Experimental Autoimmune Uveitis. *Methods in Molecular Biology*, **2019**, 1899, 211-227	1.4	12
64	Targeting CD6 for the treatment of experimental autoimmune uveitis. *Journal of Autoimmunity*, **2018**, 90, 84-93	15.5	9

(2016-2018)

63	STAT-3-independent production of IL-17 by mouse innate-like γδT cells controls ocular infection. *Journal of Experimental Medicine*, **2018**, 215, 1079-1090	16.6	17
62	Visions of Eye Commensals: The Known and the Unknown About How the Microbiome Affects Eye Disease. *BioEssays*, **2018**, 40, e1800046	4.1	18
61	Tolerance Induction in Relation to the Eye. *Frontiers in Immunology*, **2018**, 9, 2304	8.4	20
60	TMP778, a selective inhibitor of RORγ, suppresses experimental autoimmune uveitis development, but affects both Th17 and Th1 cell populations. *European Journal of Immunology*, **2018**, 48, 1810-1816	6.1	6
59	IL-20 receptor cytokines in autoimmune diseases. *Journal of Leukocyte Biology*, **2018**, 104, 953-959	6.5	25
58	ZIKA virus infection causes persistent chorioretinal lesions. *Emerging Microbes and Infections*, **2018**, 7, 96	18.9	31
57	Analysis of Th Cell-related Cytokine Production in Behçet Disease Patients with Uveitis Before and After Infliximab Treatment. *Ocular Immunology and Inflammation*, **2017**, 25, 52-61	2.8	9
56	Gut microbiota as a source of a surrogate antigen that triggers autoimmunity in an immune privileged site. *Gut Microbes*, **2017**, 8, 59-66	8.8	29
55	IL-12p35 induces expansion of IL-10 and IL-35-expressing regulatory B cells and ameliorates autoimmune disease. *Nature Communications*, **2017**, 8, 719	17.4	96
54	An Ocular Commensal Protects against Corneal Infection by Driving an Interleukin-17 Response from Mucosal γδT Cells. *Immunity*, **2017**, 47, 148-158.e5	32.3	144
53	The Small Tellurium Compound AS101 Ameliorates Rat Crescentic Glomerulonephritis: Association with Inhibition of Macrophage Caspase-1 Activity Very Late Antigen-4 Inactivation. *Frontiers in Immunology*, **2017**, 8, 240	8.4	7
52	Complement Component C4 Regulates the Development of Experimental Autoimmune Uveitis through a T Cell-Intrinsic Mechanism. *Frontiers in Immunology*, **2017**, 8, 1116	8.4	6
51	IL-12p35 Inhibits Neuroinflammation and Ameliorates Autoimmune Encephalomyelitis. *Frontiers in Immunology*, **2017**, 8, 1258	8.4	21
50	Tertiary Lymphoid Tissue Forms in Retinas of Mice with Spontaneous Autoimmune Uveitis and Has Consequences on Visual Function. *Journal of Immunology*, **2016**, 196, 1013-25	5.3	25
49	Mincle Activation and the Syk/Card9 Signaling Axis Are Central to the Development of Autoimmune Disease of the Eye. *Journal of Immunology*, **2016**, 196, 3148-58	5.3	45
48	Complement anaphylatoxin receptors C3aR and C5aR are required in the pathogenesis of experimental autoimmune uveitis. *Journal of Leukocyte Biology*, **2016**, 99, 447-54	6.5	24
47	Preparation of Protein-containing Extracts from Microbiota-rich Intestinal Contents. *Bio-protocol*, **2016**, 6,	0.9	3
46	Regulation of Autoimmunity by the Microbiome. *DNA and Cell Biology*, **2016**, 35, 455-8	3.6	16

45	Retina-specific T regulatory cells bring about resolution and maintain remission of autoimmune uveitis. *Journal of Immunology*, **2015**, 194, 3011-9	5.3	56
44	Microbiota-Dependent Activation of an Autoreactive T Cell Receptor Provokes Autoimmunity in an Immunologically Privileged Site. *Immunity*, **2015**, 43, 343-53	32.3	246
43	NK-DC crosstalk controls the autopathogenic Th17 response through an innate IFN-□L-27 axis. *Journal of Experimental Medicine*, **2015**, 212, 1739-52	16.6	46
42	Characterization of a New Epitope of IRBP That Induces Moderate to Severe Uveoretinitis in Mice With H-2b Haplotype **2015**, 56, 5439-49		26
41	Immune mechanisms in inflammatory and degenerative eye disease. *Trends in Immunology*, **2015**, 36, 354-63	14.4	109
40	Divergent paths for the selection of immunodominant epitopes from distinct antigenic sources. *Nature Communications*, **2014**, 5, 5369	17.4	49
39	Immune privilege and the philosophy of immunology. *Frontiers in Immunology*, **2014**, 5, 110	8.4	15
38	IL-27p28 inhibits central nervous system autoimmunity by concurrently antagonizing Th1 and Th17 responses. *Journal of Autoimmunity*, **2014**, 50, 12-22	15.5	47
37	Understanding autoimmunity in the eye: from animal models to novel therapies. *Discovery Medicine* , **2014**, 17, 155-62	2.5	19
36	Breakdown of immune privilege and spontaneous autoimmunity in mice expressing a transgenic T cell receptor specific for a retinal autoantigen. *Journal of Autoimmunity*, **2013**, 44, 21-33	15.5	68
35	Use of optical coherence tomography and electroretinography to evaluate retinal pathology in a mouse model of autoimmune uveitis. *PLoS ONE*, **2013**, 8, e63904	3.7	35
34	Comparative analysis of induced vs. spontaneous models of autoimmune uveitis targeting the interphotoreceptor retinoid binding protein. *PLoS ONE*, **2013**, 8, e72161	3.7	34
33	The living eye "disarms" uncommitted autoreactive T cells by converting them to Foxp3(+) regulatory cells following local antigen recognition. *Journal of Immunology*, **2012**, 188, 1742-50	5.3	68
32	Cytokines in autoimmune uveitis. *Journal of Interferon and Cytokine Research*, **2011**, 31, 733-44	3.5	116
31	Th1 and Th17 cells: adversaries and collaborators. *Annals of the New York Academy of Sciences*, **2010** , 1183, 211-21	6.5	276
30	The role of TLR2, TRL3, TRL4, and TRL9 signaling in the pathogenesis of autoimmune disease in a retinal autoimmunity model **2010**, 51, 3092-9		51
29	A look at autoimmunity and inflammation in the eye. *Journal of Clinical Investigation*, **2010**, 120, 3073-83	15.9	283
28	Repertoire analysis and new pathogenic epitopes of IRBP in C57BL/6 (H-2b) and B10.RIII (H-2r) mice. *Investigative Ophthalmology and Visual Science*, **2008**, 49, 1946-56		32

(1999-2008)

27	Mouse models of experimental autoimmune uveitis. *Ophthalmic Research*, **2008**, 40, 169-74	2.9	79
26	Either a Th17 or a Th1 effector response can drive autoimmunity: conditions of disease induction affect dominant effector category. *Journal of Experimental Medicine*, **2008**, 205, 799-810	16.6	556
25	Cutting edge: NKT cells constitutively express IL-23 receptor and RORgammat and rapidly produce IL-17 upon receptor ligation in an IL-6-independent fashion. *Journal of Immunology*, **2008**, 180, 5167-71	5.3	334
24	Activation of invariant NKT cells ameliorates experimental ocular autoimmunity by a mechanism involving innate IFN-gamma production and dampening of the adaptive Th1 and Th17 responses. *Journal of Immunology*, **2008**, 181, 4791-7	5.3	57
23	New perspectives on effector mechanisms in uveitis. *Seminars in Immunopathology*, **2008**, 30, 135-43	12	76
22	Autoimmunity in the immune privileged eye: pathogenic and regulatory T cells. *Immunologic Research*, **2008**, 42, 41-50	4.3	69
21	Eosinophil-derived neurotoxin acts as an alarmin to activate TLR2-MyD88 signal pathway in dendritic cells and enhance Th2 immune responses. *FASEB Journal*, **2008**, 22, 672.17	0.9	
20	Altered chemokine profile associated with exacerbated autoimmune pathology under conditions of genetic interferon-gamma deficiency. *Investigative Ophthalmology and Visual Science*, **2007**, 48, 4616-25		49
19	Ocular autoimmunity: the price of privilege?. *Immunological Reviews*, **2006**, 213, 23-35	11.3	116
18	Essential role of the MyD88 pathway, but nonessential roles of TLRs 2, 4, and 9, in the adjuvant effect promoting Th1-mediated autoimmunity. *Journal of Immunology*, **2005**, 175, 6303-10	5.3	119
17	Antigen/MHC class II/Ig dimers for study of uveitogenic T cells: IRBP p161-180 presented by both IA and IE molecules. *Investigative Ophthalmology and Visual Science*, **2005**, 46, 3769-76		14
16	Regulation, counter-regulation, and immunotherapy of autoimmune responses to immunologically privileged retinal antigens. *Immunologic Research*, **2003**, 27, 149-60	4.3	14
15	Experimental autoimmune uveoretinitis in the rat and mouse. *Current Protocols in Immunology*, **2003**, Chapter 15, Unit 15.6	4	87
14	A humanized model of experimental autoimmune uveitis in HLA class II transgenic mice. *Journal of Clinical Investigation*, **2003**, 111, 1171-80	15.9	68
13	Th1 and Th2 responses in pathogenesis and regulation of experimental autoimmune uveoretinitis. *International Reviews of Immunology*, **2002**, 21, 197-208	4.6	108
12	Susceptibility to autoimmune disease and drug addiction in inbred rats. Are there mechanistic factors in common related to abnormalities in hypothalamic-pituitary-adrenal axis and stress response function?. *Annals of the New York Academy of Sciences*, **2000**, 917, 784-96	6.5	20
11	Residues 1-20 of IRBP and whole IRBP elicit different uveitogenic and immunological responses in interferon gamma deficient mice. *Experimental Eye Research*, **2000**, 71, 111-8	3.7	40
10	Interleukin 12 protects from a T helper type 1-mediated autoimmune disease, experimental autoimmune uveitis, through a mechanism involving interferon gamma, nitric oxide, and apoptosis. *Journal of Experimental Medicine*, **1999**, 189, 219-30	16.6	183

9	Acute immunosuppression and syngeneic bone marrow transplantation in ocular autoimmunity abort disease, but do not result in induction of long-term protection. *Ocular Immunology and Inflammation*, **1998**, 6, 163-72	2.8	
8	T cell mechanisms in experimental autoimmune uveoretinitis: susceptibility is a function of the cytokine response profile. *Eye*, **1997**, 11 (Pt 2), 209-12	4.4	69
7	Prevention of experimental autoimmune uveoretinitis by intrathymic S-antigen injection. *Ocular Immunology and Inflammation*, **1997**, 5, 165-72	2.8	5
6	Post-thymectomy murine experimental autoimmune oophoritis is associated with reduced natural killer cell activity. *American Journal of Reproductive Immunology*, **1997**, 38, 360-5	3.8	10
5	Susceptibility to murine experimental autoimmune oophoritis is associated with genes outside the major histocompatibility complex (MHC). *American Journal of Reproductive Immunology*, **1996**, 36, 107-10	3.8	8
4	Immunotolerance and prevention of ocular autoimmune disease. *Current Eye Research*, **1995**, 14, 857-64	2.9	11
3	Use of ACAID to suppress interphotoreceptor retinoid binding protein-induced experimental autoimmune uveitis. *Current Eye Research*, **1992**, 11 Suppl, 97-100	2.9	19
2	Dual effect of ciliary body cells on T lymphocyte proliferation. *European Journal of Immunology*, **1990**, 20, 2457-63	6.1	38
1	Cyclosporine and dexamethasone inhibit T-lymphocyte MHC class II antigens and IL-2 receptor expression in experimental autoimmune uveitis. *Immunological Investigations*, **1987**, 16, 319-31	2.9	12