Cecilia Berin

List of Publications by Citations

120 papers	5,754 citations	46 h-index	74 g-index
139 ext. papers	6,779 ext. citations	6.6 avg, IF	6.11 L-index

#	Paper	IF	Citations
120	Mucus enhances gut homeostasis and oral tolerance by delivering immunoregulatory signals. *Science*, **2013**, 342, 447-53	33.3	400
119	International consensus guidelines for the diagnosis and management of food protein-induced enterocolitis syndrome: Executive summary-Workgroup Report of the Adverse Reactions to Foods Committee, American Academy of Allergy, Asthma & Immunology. *Journal of Allergy and Clinical Immunology*, **2017**, 139, 1111-1126.e4	11.5	295
118	Epicutaneous immunotherapy for the treatment of peanut allergy in children and young adults. *Journal of Allergy and Clinical Immunology*, **2017**, 139, 1242-1252.e9	11.5	197
117	Identification of a T follicular helper cell subset that drives anaphylactic IgE. *Science*, **2019**, 365,	33.3	159
116	Pasteurization of milk proteins promotes allergic sensitization by enhancing uptake through Peyer's patches. *Allergy: European Journal of Allergy and Clinical Immunology*, **2008**, 63, 882-90	9.3	158
115	Toll-like receptor signaling in small intestinal epithelium promotes B-cell recruitment and IgA production in lamina propria. *Gastroenterology*, **2008**, 135, 529-38	13.3	157
114	Dendritic cell (DC)-specific targeting reveals Stat3 as a negative regulator of DC function. *Journal of Immunology*, **2010**, 184, 2638-45	5.3	155
113	Immunology of Food Allergy. *Immunity*, **2017**, 47, 32-50	32.3	145
112	Skin exposure promotes a Th2-dependent sensitization to peanut allergens. *Journal of Clinical Investigation*, **2014**, 124, 4965-75	15.9	141
111	Rapid transepithelial antigen transport in rat jejunum: impact of sensitization and the hypersensitivity reaction. *Gastroenterology*, **1997**, 113, 856-64	13.3	133
110	Role of EHEC O157:H7 virulence factors in the activation of intestinal epithelial cell NF-kappaB and MAP kinase pathways and the upregulated expression of interleukin 8. *Cellular Microbiology*, **2002**, 4, 635-48	3.9	133
109	Long-term treatment with egg oral immunotherapy enhances sustained unresponsiveness that persists after cessation of therapy. *Journal of Allergy and Clinical Immunology*, **2016**, 137, 1117-1127.e10	11.5	121
108	Mechanisms underlying differential food allergy response to heated egg. *Journal of Allergy and Clinical Immunology*, **2011**, 127, 990-7.e1-2	11.5	111
107	Gastrointestinal dendritic cells promote Th2 skewing via OX40L. *Journal of Immunology*, **2008**, 180, 4441-50	5.5	110
106	Regulated production of the T helper 2-type T-cell chemoattractant TARC by human bronchial epithelial cells in vitro and in human lung xenografts. *American Journal of Respiratory Cell and Molecular Biology*, **2001**, 24, 382-9	5.7	108
105	Enhanced intestinal transepithelial antigen transport in allergic rats is mediated by IgE and CD23 (FcepsilonRII). *Journal of Clinical Investigation*, **2000**, 106, 879-86	15.9	106
104	Epicutaneous immunotherapy induces gastrointestinal LAP regulatory T cells and prevents food-induced anaphylaxis. *Journal of Allergy and Clinical Immunology*, **2017**, 139, 189-201.e4	11.5	94

103	Stress stimulates transepithelial macromolecular uptake in rat jejunum. *American Journal of Physiology - Renal Physiology*, **1998**, 275, G1037-44	5.1	94
102	Role for IL-4 in macromolecular transport across human intestinal epithelium. *American Journal of Physiology - Cell Physiology*, **1999**, 276, C1046-52	5.4	91
101	Mechanisms of Oral Tolerance. *Clinical Reviews in Allergy and Immunology*, **2018**, 55, 107-117	12.3	90
100	Mucosal immunology of food allergy. *Current Biology*, **2013**, 23, R389-400	6.3	89
99	Enhanced transepithelial antigen transport in intestine of allergic mice is mediated by IgE/CD23 and regulated by interleukin-4. *Gastroenterology*, **2001**, 121, 370-81	13.3	89
98	Oral immunotherapy induces local protective mechanisms in the gastrointestinal mucosa. *Journal of Allergy and Clinical Immunology*, **2012**, 129, 1579-1587.e1	11.5	85
97	Transcytosis of IgE-antigen complexes by CD23a in human intestinal epithelial cells and its role in food allergy. *Gastroenterology*, **2006**, 131, 47-58	13.3	76
96	Neutrophil-independence of the initiation of colonic injury. Comparison of results from three models of experimental colitis in the rat. *Digestive Diseases and Sciences*, **1994**, 39, 2575-88	4	75
95	Food allergy: an enigmatic epidemic. *Trends in Immunology*, **2013**, 34, 390-7	14.4	72
94	Immunophysiology of experimental food allergy. *Mucosal Immunology*, **2009**, 2, 24-32	9.2	71
93	Role of TLR4 in allergic sensitization to food proteins in mice. *Allergy: European Journal of Allergy and Clinical Immunology*, **2006**, 61, 64-71	9.3	70
92	Systemic innate immune activation in food protein-induced enterocolitis syndrome. *Journal of Allergy and Clinical Immunology*, **2017**, 139, 1885-1896.e9	11.5	65
91	Allergic sensitization can be induced via multiple physiologic routes in an adjuvant-dependent manner. *Journal of Allergy and Clinical Immunology*, **2011**, 128, 1251-1258.e2	11.5	65
90	Can we produce true tolerance in patients with food allergy?. *Journal of Allergy and Clinical Immunology*, **2013**, 131, 14-22	11.5	63
89	T(H)2 adjuvants: implications for food allergy. *Journal of Allergy and Clinical Immunology*, **2008**, 121, 1311-20; quiz 1321-2	11.5	62
88	Mucosal pathophysiology and inflammatory changes in the late phase of the intestinal allergic reaction in the rat. *American Journal of Pathology*, **2001**, 158, 681-90	5.8	62
87	Single-cell profiling of peanut-responsive T cells in patients with peanut allergy reveals heterogeneous effector T2 subsets. *Journal of Allergy and Clinical Immunology*, **2018**, 141, 2107-2120	11.5	57
86	Humoral and cellular responses to casein in patients with food protein-induced enterocolitis to cowS milk. *Journal of Allergy and Clinical Immunology*, **2017**, 139, 572-583	11.5	56

85	Thymic stromal lymphopoietin is required for gastrointestinal allergy but not oral tolerance. *Gastroenterology*, **2010**, 139, 1301-9	13.3	56
84	Role of maternal elimination diets and human milk IgA in the development of cow's milk allergy in the infants. *Clinical and Experimental Allergy*, **2014**, 44, 69-78	4.1	55
83	CD4 T cells activated in the mesenteric lymph node mediate gastrointestinal food allergy in mice. *American Journal of Physiology - Renal Physiology*, **2007**, 293, G1234-43	5.1	55
82	Food allergy and the microbiome: Current understandings and future directions. *Journal of Allergy and Clinical Immunology*, **2019**, 144, 1468-1477	11.5	54
81	Notch-1 signaling regulates intestinal epithelial barrier function, through interaction with CD4+ T cells, in mice and humans. *Gastroenterology*, **2011**, 140, 550-9	13.3	53
80	Microbiome and food allergy. *Translational Research*, **2017**, 179, 199-203	11	51
79	Immunopathophysiology of food protein-induced enterocolitis syndrome. *Journal of Allergy and Clinical Immunology*, **2015**, 135, 1108-13	11.5	49
78	Production of MDC/CCL22 by human intestinal epithelial cells. *American Journal of Physiology - Renal Physiology*, **2001**, 280, G1217-26	5.1	49
77	TNF□dependent development of lymphoid tissue in the absence of ROR□+ lymphoid tissue inducer cells. *Mucosal Immunology*, **2014**, 7, 602-14	9.2	48
76	Heparin reduces nonspecific eosinophil staining artifacts in mass cytometry experiments. *Cytometry Part A: the Journal of the International Society for Analytical Cytology*, **2016**, 89, 601-7	4.6	47
75	In vivo methods for testing allergenicity show that high hydrostatic pressure hydrolysates of □lactoglobulin are immunologically inert. *Journal of Dairy Science*, **2012**, 95, 541-8	4	46
74	Targeting Toll-like receptors on dendritic cells modifies the T(H)2 response to peanut allergens in vitro. *Journal of Allergy and Clinical Immunology*, **2010**, 126, 92-7.e5	11.5	44
73	Mechanisms Underlying Induction of Tolerance to Foods. *Immunology and Allergy Clinics of North America*, **2016**, 36, 87-102	3.3	42
72	The rise of food allergy: Environmental factors and emerging treatments. *EBioMedicine*, **2016**, 7, 27-34	8.8	41
71	Food Protein-Induced Enterocolitis Syndrome. *Journal of Allergy and Clinical Immunology: in Practice* , **2020**, 8, 24-35	5.4	40
70	Secreted IgD Amplifies Humoral T Helper 2 Cell Responses by Binding Basophils via Galectin-9 and CD44. *Immunity*, **2018**, 49, 709-724.e8	32.3	39
69	Allergen-IgE complexes trigger CD23-dependent CCL20 release from human intestinal epithelial cells. *Gastroenterology*, **2007**, 133, 1905-15	13.3	38
68	Physiological contribution of CD44 as a ligand for E-Selectin during inflammatory T-cell recruitment. *American Journal of Pathology*, **2011**, 178, 2437-46	5.8	36

67	Mucosal immunology of tolerance and allergy in the gastrointestinal tract. *Immunologic Research*, **2012**, 54, 75-82	4.3	35
66	Factors regulating the effect of IL-4 on intestinal epithelial barrier function. *International Archives of Allergy and Immunology*, **2002**, 129, 219-27	3.7	34
65	PDL2 CD11b dermal dendritic cells capture topical antigen through hair follicles to prime LAP Tregs. *Nature Communications*, **2018**, 9, 5238	17.4	34
64	Pathogenesis of IgE-mediated food allergy. *Clinical and Experimental Allergy*, **2015**, 45, 1483-96	4.1	32
63	Egg-specific IgE and basophil activation but not egg-specific T-cell counts correlate with phenotypes of clinical egg allergy. *Journal of Allergy and Clinical Immunology*, **2018**, 142, 149-158.e8	11.5	31
62	Mucosal antibodies in the regulation of tolerance and allergy to foods. *Seminars in Immunopathology*, **2012**, 34, 633-42	12	30
61	Pathophysiology of food-induced anaphylaxis. *Current Allergy and Asthma Reports*, **2008**, 8, 201-8	5.6	30
60	Immune-epithelial interactions in host defense. *American Journal of Tropical Medicine and Hygiene*, **1999**, 60, 16-25	3.2	29
59	Differential effects of the second SARS-CoV-2 mRNA vaccine dose on T cell immunity in naive and COVID-19 recovered individuals. *Cell Reports*, **2021**, 36, 109570	10.6	29
58	Food allergy: mechanisms and therapeutics. *Current Opinion in Immunology*, **2011**, 23, 794-800	7.8	28
57	A functional role for CCR6 on proallergic T cells in the gastrointestinal tract. *Gastroenterology*, **2010** , 138, 275-84.e1-4	13.3	28
56	Mechanisms underlying induction of allergic sensitization by Pru p 3. *Clinical and Experimental Allergy*, **2017**, 47, 1398-1408	4.1	25
55	Immune factors in breast milk related to infant milk allergy are independent of maternal atopy. *Journal of Allergy and Clinical Immunology*, **2015**, 135, 1390-3.e1-6	11.5	25
54	Mouse and human Notch-1 regulate mucosal immune responses. *Mucosal Immunology*, **2014**, 7, 995-1005	9.2	23
53	Transcriptional Profiling of Egg Allergy and Relationship to Disease Phenotype. *PLoS ONE*, **2016**, 11, e0163831	3.7	23
52	Mast cell heterogeneity underlies different manifestations of food allergy in mice. *PLoS ONE*, **2018**, 13, e0190453	3.7	20
51	The Role of TARC in the Pathogenesis of Allergic Asthma. *Drug News and Perspectives*, **2002**, 15, 10-16		19
50	Role of Maternal Dietary Peanut Exposure in Development of Food Allergy and Oral Tolerance. *PLoS ONE*, **2015**, 10, e0143855	3.7	19

49	Induction of sustained unresponsiveness after egg oral immunotherapy compared to baked egg therapy in children with egg allergy. *Journal of Allergy and Clinical Immunology*, **2020**, 146, 851-862.e10	11.5	18
48	Mass cytometry profiling the response of basophils and the complete peripheral blood compartment to peanut. *Journal of Allergy and Clinical Immunology*, **2016**, 138, 1741-1744.e9	11.5	17
47	Immunotherapy using algal-produced Ara h 1 core domain suppresses peanut allergy in mice. *Plant Biotechnology Journal*, **2016**, 14, 1541-50	11.6	16
46	Breast milk IgA to foods has different epitope specificity than serum IgA-Evidence for entero-mammary link for food-specific IgA?. *Clinical and Experimental Allergy*, **2017**, 47, 1275-1284	4.1	15
45	Reduced severity of peanut-induced anaphylaxis in TLR9-deficient mice is associated with selective defects in humoral immunity. *Mucosal Immunology*, **2013**, 6, 114-21	9.2	14
44	Transforming growth factor signaling controls activities of human intestinal CD8(+)T suppressor cells. *Gastroenterology*, **2013**, 144, 601-612.e1	13.3	13
43	The Consortium for Food Allergy Research (CoFAR): The first generation. *Journal of Allergy and Clinical Immunology*, **2019**, 143, 486-493	11.5	12
42	Future Therapies for IgE-Mediated Food Allergy. *Current Pediatrics Reports*, **2014**, 2, 119-126	0.7	12
41	Mechanisms of allergic sensitization to foods: bypassing immune tolerance pathways. *Immunology and Allergy Clinics of North America*, **2012**, 32, 1-10	3.3	12
40	Mechanisms that define transient versus persistent food allergy. *Journal of Allergy and Clinical Immunology*, **2019**, 143, 453-457	11.5	11
39	An Examination of Clinical and Immunologic Outcomes in Food Allergen Immunotherapy by Route of Administration. *Current Allergy and Asthma Reports*, **2015**, 15, 35	5.6	11
38	Triclosan promotes epicutaneous sensitization to peanut in mice. *Clinical and Translational Allergy*, **2016**, 6, 13	5.2	11
37	Pertussis adjuvant prolongs intestinal hypersensitivity. *International Archives of Allergy and Immunology*, **1999**, 119, 205-11	3.7	10
36	Emerging Food Allergy Biomarkers. *Journal of Allergy and Clinical Immunology: in Practice*, **2020**, 8, 2516-2524	5.4	10
35	Epicutaneous Tolerance Induction to a Bystander Antigen Abrogates Colitis and Ileitis in Mice. *Inflammatory Bowel Diseases*, **2017**, 23, 1972-1982	4.5	9
34	Antibody-mediated antigen sampling across intestinal epithelial barriers. *Annals of the New York Academy of Sciences*, **2006**, 1072, 253-61	6.5	9
33	Phorbol myristate acetate ex vivo model of enhanced colonic epithelial permeability. Reactive oxygen metabolite and protease independence. *Digestive Diseases and Sciences*, **1995**, 40, 2268-79	4	9
32	Effect of psychoneural factors on intestinal epithelial function. *Canadian Journal of Gastroenterology & Hepatology*, **1997**, 11, 353-7		7

31	Advances in understanding immune mechanisms of food protein-induced enterocolitis syndrome. *Annals of Allergy, Asthma and Immunology*, **2021**, 126, 478-481	3.2	7
30	Epicutaneous immunotherapy for treatment of peanut allergy: Follow-up from the Consortium for Food Allergy Research. *Journal of Allergy and Clinical Immunology*, **2021**, 147, 992-1003.e5	11.5	7
29	Effects of neuropeptide Y and substance P on antigen-induced ion secretion in rat jejunum. *American Journal of Physiology - Renal Physiology*, **1996**, 271, G987-92	5.1	6
28	Flow cytometric identification of T13 cells in mouse and human. *Journal of Allergy and Clinical Immunology*, **2021**, 147, 470-483	11.5	6
27	Impact of granulocyte contamination on PBMC integrity of shipped blood samples: Implications for multi-center studies monitoring regulatory T cells. *Journal of Immunological Methods*, **2017**, 449, 23-27	2.5	5
26	Acute FPIES reactions are associated with an IL-17 inflammatory signature. *Journal of Allergy and Clinical Immunology*, **2021**, 148, 895-901.e6	11.5	5
25	Allergen-specific T cells and clinical features of food allergy: Lessons from CoFAR immunotherapy cohorts. *Journal of Allergy and Clinical Immunology*, **2021**,	11.5	4
24	Immune Characterization of Bone Marrow-Derived Models of Mucosal and Connective Tissue Mast Cells. *Allergy, Asthma and Immunology Research*, **2018**, 10, 268-277	5.3	4
23	Pathophysiology of Non-IgE-Mediated Food Allergy.. *ImmunoTargets and Therapy*, **2021**, 10, 431-446	9	4
22	Association between prenatal immune phenotyping and cord blood leukocyte telomere length in the PRISM pregnancy cohort. *Environmental Research*, **2020**, 191, 110113	7.9	3
21	Pathogenesis of IgE-mediated food allergy and implications for future immunotherapeutics. *Pediatric Allergy and Immunology*, **2021**, 32, 1416-1425	4.2	3
20	Dysbiosis in food allergy and implications for microbial therapeutics. *Journal of Clinical Investigation* , **2021**, 131,	15.9	3
19	The COMPARE Database: A Public Resource for Allergen Identification, Adapted for Continuous Improvement.. *Frontiers in Allergy*, **2021**, 2, 700533	0	3
18	Treatment of Intestinal Inflammation With Epicutaneous Immunotherapy Requires TGF- and IL-10 but Not Foxp3 Tregs. *Frontiers in Immunology*, **2021**, 12, 637630	8.4	2
17	Mucosal Immunology: An Overview **2016**, 365-370.e2		1
16	Experimental Approaches to the Study of Food Allergy **2014**, 547-555		1
15	Immune Basis of Food Protein-Induced Enterocolitis Syndrome **2019**, 25-30		1
14	Data-driven discovery of mid-pregnancy immune markers associated with maternal lifetime stress: results from an urban pre-birth cohort. *Stress*, **2020**, 23, 349-358	3	1

13	Update on Food Protein-Induced Enterocolitis Syndrome (FPIES).. *Current Allergy and Asthma Reports*, **2022**, 1	5.6	1
12	Demonstration of distinct pathways of mast cell-dependent inhibition of Treg generation using murine bone marrow-derived mast cells. *Allergy: European Journal of Allergy and Clinical Immunology*, **2020**, 75, 2088-2091	9.3	0
11	Mucosal Immunology **2010**, 471-476		0
10	Applications of Mouse Models to the Study of Food Allergy. *Methods in Molecular Biology*, **2021**, 2223, 1-17	1.4	0
9	Is the plasticity of the Th17 subset a key source of allergenic Th2 responses?. *Allergy: European Journal of Allergy and Clinical Immunology*, **2021**, 76, 3238-3240	9.3	0
8	Role of innate immunity and myeloid cells in susceptibility to allergic disease. *Annals of the New York Academy of Sciences*, **2021**, 1499, 42-53	6.5	0
7	O-014 Treatment of Colitis by Epicutaneous Immunotherapy in a Murine Model. *Inflammatory Bowel Diseases*, **2016**, 22, S5	4.5	
6	Immunological Tolerance **2014**, 100-109		
5	IgE-Mediated Food Allergy **2015**, 1649-1660		
4	Food Allergy: Immunophysiology **2005**, 1335-1349		
3	Gastrointestinal Mucosal Immunology **2014**, 1084-1094		
2	Legends of allergy and immunology: Hugh A. Sampson. *Allergy: European Journal of Allergy and Clinical Immunology*, **2020**, 75, 1519-1521	9.3	
1	Mass Cytometry Analysis of Whole Blood Response to an Allergen. *Methods in Molecular Biology*, **2022**, 269-280	1.4	