Omid Akbari

List of Publications by Citations

81 papers	5,545 citations	31 h-index	74 g-index
83 ext. papers	6,252 ext. citations	9.6 avg, IF	5.48 L-index

#	Paper	IF	Citations
81	Pulmonary dendritic cells producing IL-10 mediate tolerance induced by respiratory exposure to antigen. *Nature Immunology*, **2001**, 2, 725-31	19.1	1066
80	Antigen-specific regulatory T cells develop via the ICOS-ICOS-ligand pathway and inhibit allergen-induced airway hyperreactivity. *Nature Medicine*, **2002**, 8, 1024-32	50.5	672
79	Essential role of NKT cells producing IL-4 and IL-13 in the development of allergen-induced airway hyperreactivity. *Nature Medicine*, **2003**, 9, 582-8	50.5	588
78	Identification of Tapr (an airway hyperreactivity regulatory locus) and the linked Tim gene family. *Nature Immunology*, **2001**, 2, 1109-16	19.1	404
77	Induction of T helper type 1-like regulatory cells that express Foxp3 and protect against airway hyper-reactivity. *Nature Immunology*, **2004**, 5, 1149-56	19.1	262
76	ICOS:ICOS-ligand interaction is required for type 2 innate lymphoid cell function, homeostasis, and induction of airway hyperreactivity. *Immunity*, **2015**, 42, 538-51	32.3	200
75	CD4 T-helper cells engineered to produce IL-10 prevent allergen-induced airway hyperreactivity and inflammation. *Journal of Allergy and Clinical Immunology*, **2002**, 110, 460-8	11.5	187
74	Glycolipid activation of invariant T cell receptor+ NK T cells is sufficient to induce airway hyperreactivity independent of conventional CD4+ T cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 2782-7	11.5	180
73	Role of regulatory T cells in allergy and asthma. *Current Opinion in Immunology*, **2003**, 15, 627-33	7.8	165
72	PD-L1 and PD-L2 modulate airway inflammation and iNKT-cell-dependent airway hyperreactivity in opposing directions. *Mucosal Immunology*, **2010**, 3, 81-91	9.2	133
71	Type 2 innate lymphoid cell suppression by regulatory T cells attenuates airway hyperreactivity and requires inducible T-cell costimulator-inducible T-cell costimulator ligand interaction. *Journal of Allergy and Clinical Immunology*, **2017**, 139, 1468-1477.e2	11.5	121
70	Role of PD-L1 and PD-L2 in allergic diseases and asthma. *Allergy: European Journal of Allergy and Clinical Immunology*, **2011**, 66, 155-62	9.3	83
69	Group 2 innate lymphoid cells are elevated and activated in chronic rhinosinusitis with nasal polyps. *Immunity, Inflammation and Disease*, **2017**, 5, 233-243	2.4	79
68	Nicotinic acetylcholine receptor agonist attenuates ILC2-dependent airway hyperreactivity. *Nature Communications*, **2016**, 7, 13202	17.4	71
67	Programmed cell death ligand 2 regulates TH9 differentiation and induction of chronic airway hyperreactivity. *Journal of Allergy and Clinical Immunology*, **2013**, 131, 1048-57, 1057.e1-2	11.5	71
66	ICOS/ICOSL interaction is required for CD4+ invariant NKT cell function and homeostatic survival. *Journal of Immunology*, **2008**, 180, 5448-56	5.3	66
65	Transcriptional regulation of autophagy-lysosomal function in BRAF-driven melanoma progression and chemoresistance. *Nature Communications*, **2019**, 10, 1693	17.4	65

64	Natural killer T cells in the lungs of patients with asthma. *Journal of Allergy and Clinical Immunology*, **2009**, 123, 1181-5	11.5	63
63	CD8□□ and CD8□□ plasmacytoid dendritic cells induce Foxp3+ regulatory T cells and prevent the induction of airway hyper-reactivity. *Mucosal Immunology*, **2012**, 5, 432-43	9.2	61
62	Regulatory T cells and type 2 innate lymphoid cell-dependent asthma. *Allergy: European Journal of Allergy and Clinical Immunology*, **2017**, 72, 1148-1155	9.3	59
61	Dietary Fiber-Induced Microbial Short Chain Fatty Acids Suppress ILC2-Dependent Airway Inflammation. *Frontiers in Immunology*, **2019**, 10, 2051	8.4	55
60	Role of regulatory dendritic cells in allergy and asthma. *Current Allergy and Asthma Reports*, **2005**, 5, 56-61	5.6	50
59	Lack of autophagy induces steroid-resistant airway inflammation. *Journal of Allergy and Clinical Immunology*, **2016**, 137, 1382-1389.e9	11.5	47
58	Activated plasmacytoid dendritic cells regulate type 2 innate lymphoid cell-mediated airway hyperreactivity. *Journal of Allergy and Clinical Immunology*, **2018**, 141, 893-905.e6	11.5	45
57	PD-1 pathway regulates ILC2 metabolism and PD-1 agonist treatment ameliorates airway hyperreactivity. *Nature Communications*, **2020**, 11, 3998	17.4	43
56	Costimulation of type-2 innate lymphoid cells by GITR promotes effector function and ameliorates type 2 diabetes. *Nature Communications*, **2019**, 10, 713	17.4	41
55	Mucosal tolerance and immunity: regulating the development of allergic disease and asthma. *International Archives of Allergy and Immunology*, **2003**, 130, 108-18	3.7	38
54	A CD1d-dependent antagonist inhibits the activation of invariant NKT cells and prevents development of allergen-induced airway hyperreactivity. *Journal of Immunology*, **2010**, 184, 2107-15	5.3	36
53	Social Networking of Group Two Innate Lymphoid Cells in Allergy and Asthma. *Frontiers in Immunology*, **2018**, 9, 2694	8.4	36
52	Genome-wide analysis highlights contribution of immune system pathways to the genetic architecture of asthma. *Nature Communications*, **2020**, 11, 1776	17.4	33
51	IL-10, TGF-□and glucocorticoid prevent the production of type 2 cytokines in human group 2 innate lymphoid cells. *Journal of Allergy and Clinical Immunology*, **2018**, 141, 1147-1151.e8	11.5	32
50	Activation of nonclassical CD1d-restricted NK T cells induces airway hyperreactivity in beta 2-microglobulin-deficient mice. *Journal of Immunology*, **2008**, 181, 4560-4569	5.3	26
49	Autophagy is critical for group 2 innate lymphoid cell metabolic homeostasis and effector function. *Journal of Allergy and Clinical Immunology*, **2020**, 145, 502-517.e5	11.5	26
48	IB Kinase □s an NFATc1 Kinase that Inhibits T Cell Immune Response. *Cell Reports*, **2016**, 16, 405-418	10.6	25
47	TNFR2 Signaling Enhances ILC2 Survival, Function, and Induction of Airway Hyperreactivity. *Cell Reports*, **2019**, 29, 4509-4524.e5	10.6	23

46	A truncating mutation in the autophagy gene UVRAG drives inflammation and tumorigenesis in mice. *Nature Communications*, **2019**, 10, 5681	17.4	22
45	Role of Autophagy in Lung Inflammation. *Frontiers in Immunology*, **2020**, 11, 1337	8.4	20
44	Role of regulatory dendritic cells in allergy and asthma. *Current Opinion in Allergy and Clinical Immunology*, **2004**, 4, 533-8	3.3	20
43	Lower omental t-regulatory cell count is associated with higher fasting glucose and lower □cell function in adults with obesity. *Obesity*, **2016**, 24, 1274-82	8	18
42	Inclusion of CD80 in HSV targets the recombinant virus to PD-L1 on DCs and allows productive infection and robust immune responses. *PLoS ONE*, **2014**, 9, e87617	3.7	18
41	Lack of PD-L1 expression by iNKT cells improves the course of influenza A infection. *PLoS ONE*, **2013**, 8, e59599	3.7	18
40	IL-10 production by ILC2s requires Blimp-1 and cMaf, modulates cellular metabolism, and ameliorates airway hyperreactivity. *Journal of Allergy and Clinical Immunology*, **2021**, 147, 1281-1295.e5	11.5	18
39	Repopulation of T, B, and NK cells following alemtuzumab treatment in relapsing-remitting multiple sclerosis. *Journal of Neuroinflammation*, **2020**, 17, 189	10.1	17
38	Role of plasmacytoid dendritic cell subsets in allergic asthma. *Allergy: European Journal of Allergy and Clinical Immunology*, **2013**, 68, 695-701	9.3	16
37	Type two innate lymphoid cells: the Janus cells in health and disease. *Immunological Reviews*, **2017**, 278, 192-206	11.3	16
36	The role of iNKT cells in development of bronchial asthma: a translational approach from animal models to human. *Allergy: European Journal of Allergy and Clinical Immunology*, **2006**, 61, 962-8	9.3	16
35	Efficacy of Rhesus Theta-Defensin-1 in Experimental Models of Pseudomonas aeruginosa Lung Infection and Inflammation. *Antimicrobial Agents and Chemotherapy*, **2017**, 61,	5.9	15
34	DR3 stimulation of adipose resident ILC2s ameliorates type 2 diabetes mellitus. *Nature Communications*, **2020**, 11, 4718	17.4	15
33	Effects of systemic versus local administration of corticosteroids on mucosal tolerance. *Journal of Immunology*, **2012**, 188, 470-6	5.3	13
32	Exposure to Nanoscale Particulate Matter from Gestation to Adulthood Impairs Metabolic Homeostasis in Mice. *Scientific Reports*, **2019**, 9, 1816	4.9	13
31	Batf3 deficiency is not critical for the generation of CD8□ dendritic cells. *Immunobiology*, **2015**, 220, 518-24	3.4	12
30	Mast cells regulate CD4 T-cell differentiation in the absence of antigen presentation. *Journal of Allergy and Clinical Immunology*, **2018**, 142, 1894-1908.e7	11.5	12
29	Roles of Type 1, 2, and 3 Innate Lymphoid Cells in Herpes Simplex Virus 1 Infection and. *Journal of Virology*, **2019**, 93,	6.6	10

28	Distinct Roles of LFA-1 and ICAM-1 on ILC2s Control Lung Infiltration, Effector Functions, and Development of Airway Hyperreactivity. *Frontiers in Immunology*, **2020**, 11, 542818	8.4	9
27	Innate lymphoid cells: a paradigm for low SSI in cleft lip repair. *Journal of Surgical Research*, **2016**, 205, 312-317	2.5	9
26	AMPK induces regulatory innate lymphoid cells after traumatic brain injury. *JCI Insight*, **2021**, 6,	9.9	9
25	Type 2 Innate Lymphoid Cells Induce CNS Demyelination in an HSV-IL-2 Mouse Model of Multiple Sclerosis. *IScience*, **2020**, 23, 101549	6.1	8
24	A Subset of CD8 Invariant NKT Cells in a Humanized Mouse Model. *Journal of Immunology*, **2015**, 195, 1459-69	5.3	6
23	Immunologic benefit of maternal donors in pediatric living donor liver transplantation. *Pediatric Transplantation*, **2019**, 23, e13560	1.8	5
22	CD200-CD200R immune checkpoint engagement regulates ILC2 effector function and ameliorates lung inflammation in asthma. *Nature Communications*, **2021**, 12, 2526	17.4	5
21	LAIR-1 acts as an immune checkpoint on activated ILC2s and regulates the induction of airway hyperreactivity. *Journal of Allergy and Clinical Immunology*, **2021**,	11.5	5
20	Herpes Simplex Virus 1 Specifically Targets Human CD1d Antigen Presentation To Enhance Its Pathogenicity. *Journal of Virology*, **2018**, 92,	6.6	5
19	Isoaspartylation appears to trigger small cell lung cancer-associated autoimmunity against neuronal protein ELAVL4. *Journal of Neuroimmunology*, **2016**, 299, 70-78	3.5	4
18	A GWAS approach identifies Dapp1 as a determinant of air pollution-induced airway hyperreactivity. *PLoS Genetics*, **2019**, 15, e1008528	6	4
17	PD-1 Blockade on Tumor Microenvironment-Resident ILC2s Promotes TNF- Production and Restricts Progression of Metastatic Melanoma. *Frontiers in Immunology*, **2021**, 12, 733136	8.4	4
16	Cannabinoid receptor 2 engagement promotes group 2 innate lymphoid cell expansion and enhances airway hyperreactivity. *Journal of Allergy and Clinical Immunology*, **2021**,	11.5	3
15	Type 2 Innate Lymphoid Cells: Protectors in Type 2 Diabetes. *Frontiers in Immunology*, **2021**, 12, 727008	8.4	3
14	Large-scale Genetic Analysis Identifies 66 Novel Loci for Asthma		2
13	Feasibility of quantifying change in immune white cells in abdominal adipose tissue in response to an immune modulator in clinical obesity. *PLoS ONE*, **2020**, 15, e0237496	3.7	2
12	Perinatal nicotine exposure-induced transgenerational asthma: Effects of reexposure in F1 gestation. *FASEB Journal*, **2020**, 34, 11444-11459	0.9	2
11	CD52-targeted depletion by Alemtuzumab ameliorates allergic airway hyperreactivity and lung inflammation. *Mucosal Immunology*, **2021**, 14, 899-911	9.2	2

10	Absence of CD28-CTLA4-PD-L1 Costimulatory Molecules Reduces Herpes Simplex Virus 1 Reactivation. *MBio*, **2021**, 12, e0117621	7.8	2
9	Response to "CD8 subunit expression by plasmacytoid dendritic cells is variable, and does not define stable subsets". *Mucosal Immunology*, **2014**, 7, 1278-9	9.2	1
8	Reply to Natural killer T cells and CD8+ T cells are dispensable for T cell–dependent allergic airway inflammation. *Nature Medicine*, **2006**, 12, 1347-1347	50.5	1
7	Impact of a Demyelination-Inducing Central Nervous System Virus on Expression of Demyelination Genes in Type 2 Lymphoid Cells. *Journal of Virology*, **2021**, 95,	6.6	1
6	Creation of a Single Cell RNASeq Meta-Atlas to Define Human Liver Immune Homeostasis. *Frontiers in Immunology*, **2021**, 12, 679521	8.4	1
5	Autophagy impairment in liver CD11c cells promotes non-alcoholic fatty liver disease through production of IL-23.. *Nature Communications*, **2022**, 13, 1440	17.4	1
4	Adaptation of Imaging Mass Cytometry to Explore the Single Cell Alloimmune Landscape of Liver Transplant Rejection.. *Frontiers in Immunology*, **2022**, 13, 831103	8.4	0
3	Near-roadway air pollution, immune cells and adipokines among obese young adults.. *Environmental Health*, **2022**, 21, 36	6	0
2	Reply. *Journal of Allergy and Clinical Immunology*, **2017**, 139, 712-713	11.5	
1	Analysis of the interplay between hepatitis B virus-positive hepatocytes and Kupffer cells using mice as a model.. *STAR Protocols*, **2022**, 3, 101364	1.4	