

Omid Akbari

List of Publications by Year in descending order

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Version: 2024-02-01

81
papers

6,852
citations

101384

36
h-index

62479

80
g-index

83
all docs

83
docs citations

83
times ranked

7202
citing authors

#	ARTICLE	IF	CITATIONS
1	Pulmonary dendritic cells producing IL-10 mediate tolerance induced by respiratory exposure to antigen. <i>Nature Immunology</i> , 2001, 2, 725-731.	7.0	1,145
2	Antigen-specific regulatory T cells develop via the ICOS-ICOS-ligand pathway and inhibit allergen-induced airway hyperreactivity. <i>Nature Medicine</i> , 2002, 8, 1024-1032.	15.2	728
3	Essential role of NKT cells producing IL-4 and IL-13 in the development of allergen-induced airway hyperreactivity. <i>Nature Medicine</i> , 2003, 9, 582-588.	15.2	639
4	Identification of Tapr (an airway hyperreactivity regulatory locus) and the linked Tim gene family. <i>Nature Immunology</i> , 2001, 2, 1109-1116.	7.0	460
5	Induction of T helper type 1-like regulatory cells that express Foxp3 and protect against airway hyper-reactivity. <i>Nature Immunology</i> , 2004, 5, 1149-1156.	7.0	287
6	ICOS:ICOS-Ligand Interaction Is Required for Type 2 Innate Lymphoid Cell Function, Homeostasis, and Induction of Airway Hyperreactivity. <i>Immunity</i> , 2015, 42, 538-551.	6.6	254
7	Glycolipid activation of invariant T cell receptor+ NK T cells is sufficient to induce airway hyperreactivity independent of conventional CD4+ T cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 2782-2787.	3.3	206
8	CD4 T-helper cells engineered to produce IL-10 prevent allergen-induced airway hyperreactivity and inflammation. <i>Journal of Allergy and Clinical Immunology</i> , 2002, 110, 460-468.	1.5	202
9	Role of regulatory T cells in allergy and asthma. <i>Current Opinion in Immunology</i> , 2003, 15, 627-633.	2.4	176
10	PD-L1 and PD-L2 modulate airway inflammation and iNKT-cell-dependent airway hyperreactivity in opposing directions. <i>Mucosal Immunology</i> , 2010, 3, 81-91.	2.7	157
11	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. <i>Journal of Allergy and Clinical Immunology</i> , 2017, 139, 1468-1477.e2.	1.5	153
12	Transcriptional regulation of autophagy-lysosomal function in BRAF-driven melanoma progression and chemoresistance. <i>Nature Communications</i> , 2019, 10, 1693.	5.8	119
13	Genome-wide analysis highlights contribution of immune system pathways to the genetic architecture of asthma. <i>Nature Communications</i> , 2020, 11, 1776.	5.8	119
14	Nicotinic acetylcholine receptor agonist attenuates ILC2-dependent airway hyperreactivity. <i>Nature Communications</i> , 2016, 7, 13202.	5.8	108
15	Group 2 innate lymphoid cells are elevated and activated in chronic rhinosinusitis with nasal polyps. <i>Immunity, Inflammation and Disease</i> , 2017, 5, 233-243.	1.3	105
16	Role of PD-L1 and PD-L2 in allergic diseases and asthma. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2011, 66, 155-162.	2.7	103
17	PD-1 pathway regulates ILC2 metabolism and PD-1 agonist treatment ameliorates airway hyperreactivity. <i>Nature Communications</i> , 2020, 11, 3998.	5.8	101
18	Dietary Fiber-Induced Microbial Short Chain Fatty Acids Suppress ILC2-Dependent Airway Inflammation. <i>Frontiers in Immunology</i> , 2019, 10, 2051.	2.2	90

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19	Programmed cell death ligand 2 regulates TH9 differentiation and induction of chronic airway hyperreactivity. <i>Journal of Allergy and Clinical Immunology</i> , 2013, 131, 1048-1057.e2.	1.5	85
20	Regulatory T cells and type 2 innate lymphoid cell-dependent asthma. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2017, 72, 1148-1155.	2.7	84
21	ICOS/ICOSL Interaction Is Required for CD4+ Invariant NKT Cell Function and Homeostatic Survival. <i>Journal of Immunology</i> , 2008, 180, 5448-5456.	0.4	79
22	Natural killer T cells in the lungs of patients with asthma. <i>Journal of Allergy and Clinical Immunology</i> , 2009, 123, 1181-1185.e1.	1.5	72
23	CD8 α^+ IL2 α^+ and CD8 α^+ IL2 α^+ plasmacytoid dendritic cells induce Foxp3 $^+$ regulatory T cells and prevent the induction of airway hyper-reactivity. <i>Mucosal Immunology</i> , 2012, 5, 432-443.	2.7	69
24	Lack of autophagy induces steroid-resistant airway inflammation. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 137, 1382-1389.e9.	1.5	63
25	Activated plasmacytoid dendritic cells regulate type 2 innate lymphoid cell-mediated airway hyperreactivity. <i>Journal of Allergy and Clinical Immunology</i> , 2018, 141, 893-905.e6.	1.5	61
26	Costimulation of type-2 innate lymphoid cells by GITR promotes effector function and ameliorates type 2 diabetes. <i>Nature Communications</i> , 2019, 10, 713.	5.8	58
27	IL-1 Kinase IL-1 Is an NFATc1 Kinase that Inhibits T Cell Immune Response. <i>Cell Reports</i> , 2016, 16, 405-418.	2.9	54
28	Mucosal Tolerance and Immunity: Regulating the Development of Allergic Disease and Asthma. <i>International Archives of Allergy and Immunology</i> , 2003, 130, 108-118.	0.9	52
29	Role of regulatory dendritic cells in allergy and asthma. <i>Current Allergy and Asthma Reports</i> , 2005, 5, 56-61.	2.4	52
30	Social Networking of Group Two Innate Lymphoid Cells in Allergy and Asthma. <i>Frontiers in Immunology</i> , 2018, 9, 2694.	2.2	52
31	Autophagy is critical for group 2 innate lymphoid cell metabolic homeostasis and effector function. <i>Journal of Allergy and Clinical Immunology</i> , 2020, 145, 502-517.e5.	1.5	47
32	TNFR2 Signaling Enhances ILC2 Survival, Function, and Induction of Airway Hyperreactivity. <i>Cell Reports</i> , 2019, 29, 4509-4524.e5.	2.9	44
33	A CD1d-Dependent Antagonist Inhibits the Activation of Invariant NKT Cells and Prevents Development of Allergen-Induced Airway Hyperreactivity. <i>Journal of Immunology</i> , 2010, 184, 2107-2115.	0.4	43
34	Role of Autophagy in Lung Inflammation. <i>Frontiers in Immunology</i> , 2020, 11, 1337.	2.2	43
35	IL-10, TGF- β 2, and glucocorticoid prevent the production of type 2 cytokines in human group 2 innate lymphoid cells. <i>Journal of Allergy and Clinical Immunology</i> , 2018, 141, 1147-1151.e8.	1.5	40
36	IL-10 production by ILC2s requires Blimp-1 and cMaf, modulates cellular metabolism, and ameliorates airway hyperreactivity. <i>Journal of Allergy and Clinical Immunology</i> , 2021, 147, 1281-1295.e5.	1.5	40

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37	Repopulation of T, B, and NK cells following alemtuzumab treatment in relapsing-remitting multiple sclerosis. <i>Journal of Neuroinflammation</i> , 2020, 17, 189.	3.1	34
38	A truncating mutation in the autophagy gene UVRAG drives inflammation and tumorigenesis in mice. <i>Nature Communications</i> , 2019, 10, 5681.	5.8	30
39	Lower omental regulatory cell count is associated with higher fasting glucose and lower insulin function in adults with obesity. <i>Obesity</i> , 2016, 24, 1274-1282.	1.5	28
40	Activation of Nonclassical CD1d-Restricted NK T Cells Induces Airway Hyperreactivity in β 2-Microglobulin-Deficient Mice. <i>Journal of Immunology</i> , 2008, 181, 4560-4569.	0.4	27
41	DR3 stimulation of adipose resident ILC2s ameliorates type 2 diabetes mellitus. <i>Nature Communications</i> , 2020, 11, 4718.	5.8	26
42	Type two innate lymphoid cells: the Janus cells in health and disease. <i>Immunological Reviews</i> , 2017, 278, 192-206.	2.8	25
43	Inclusion of CD80 in HSV Targets the Recombinant Virus to PD-L1 on DCs and Allows Productive Infection and Robust Immune Responses. <i>PLoS ONE</i> , 2014, 9, e87617.	1.1	23
44	Mast cells regulate CD4+ T-cell differentiation in the absence of antigen presentation. <i>Journal of Allergy and Clinical Immunology</i> , 2018, 142, 1894-1908.e7.	1.5	23
45	Role of regulatory dendritic cells in allergy and asthma. <i>Current Opinion in Allergy and Clinical Immunology</i> , 2004, 4, 533-538.	1.1	22
46	Role of plasmacytoid dendritic cell subsets in allergic asthma. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2013, 68, 695-701.	2.7	22
47	Efficacy of Rhesus Theta-Defensin-1 in Experimental Models of <i>Pseudomonas aeruginosa</i> Lung Infection and Inflammation. <i>Antimicrobial Agents and Chemotherapy</i> , 2017, 61, .	1.4	22
48	CD200/CD200R immune checkpoint engagement regulates ILC2 effector function and ameliorates lung inflammation in asthma. <i>Nature Communications</i> , 2021, 12, 2526.	5.8	22
49	Lack of PD-L1 Expression by iNKT Cells Improves the Course of Influenza A Infection. <i>PLoS ONE</i> , 2013, 8, e59599.	1.1	21
50	Exposure to Nanoscale Particulate Matter from Gestation to Adulthood Impairs Metabolic Homeostasis in Mice. <i>Scientific Reports</i> , 2019, 9, 1816.	1.6	21
51	AMPK induces regulatory innate lymphoid cells after traumatic brain injury. <i>JCI Insight</i> , 2021, 6, .	2.3	21
52	Distinct Roles of LFA-1 and ICAM-1 on ILC2s Control Lung Infiltration, Effector Functions, and Development of Airway Hyperreactivity. <i>Frontiers in Immunology</i> , 2020, 11, 542818.	2.2	19
53	Batf3 deficiency is not critical for the generation of CD8 β ⁺ dendritic cells. <i>Immunobiology</i> , 2015, 220, 518-524.	0.8	18
54	LAIR-1 acts as an immune checkpoint on activated ILC2s and regulates the induction of airway hyperreactivity. <i>Journal of Allergy and Clinical Immunology</i> , 2022, 149, 223-236.e6.	1.5	18

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55	The role of iNKT cells in development of bronchial asthma: a translational approach from animal models to human. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2006, 61, 962-968.	2.7	17
56	Effects of Systemic versus Local Administration of Corticosteroids on Mucosal Tolerance. <i>Journal of Immunology</i> , 2012, 188, 470-476.	0.4	16
57	PD-1 Blockade on Tumor Microenvironment-Resident ILC2s Promotes TNF- α Production and Restricts Progression of Metastatic Melanoma. <i>Frontiers in Immunology</i> , 2021, 12, 733136.	2.2	16
58	Autophagy impairment in liver CD11c+ cells promotes non-alcoholic fatty liver disease through production of IL-23. <i>Nature Communications</i> , 2022, 13, 1440.	5.8	16
59	Roles of Type 1, 2, and 3 Innate Lymphoid Cells in Herpes Simplex Virus 1 Infection <i>In Vitro</i> and <i>In Vivo</i> . <i>Journal of Virology</i> , 2019, 93, .	1.5	14
60	Type 2 Innate Lymphoid Cells Induce CNS Demyelination in an HSV-IL-2 Mouse Model of Multiple Sclerosis. <i>IScience</i> , 2020, 23, 101549.	1.9	14
61	Cannabinoid receptor 2 engagement promotes group 2 innate lymphoid cell expansion and enhances airway hyperreactivity. <i>Journal of Allergy and Clinical Immunology</i> , 2022, 149, 1628-1642.e10.	1.5	14
62	Innate lymphoid cells: a paradigm for low SSI in left lip repair. <i>Journal of Surgical Research</i> , 2016, 205, 312-317.	0.8	12
63	Immunologic benefit of maternal donors in pediatric living donor liver transplantation. <i>Pediatric Transplantation</i> , 2019, 23, e13560.	0.5	12
64	ICOS regulates ILC2s in asthma. <i>Oncotarget</i> , 2015, 6, 24584-24585.	0.8	12
65	A Subset of CD8 α ⁺ Invariant NKT Cells in a Humanized Mouse Model. <i>Journal of Immunology</i> , 2015, 195, 1459-1469.	0.4	11
66	Perinatal nicotine exposure-induced transgenerational asthma: Effects of reexposure in F1 gestation. <i>FASEB Journal</i> , 2020, 34, 11444-11459.	0.2	11
67	Creation of a Single Cell RNASeq Meta-Atlas to Define Human Liver Immune Homeostasis. <i>Frontiers in Immunology</i> , 2021, 12, 679521.	2.2	11
68	Herpes Simplex Virus 1 Specifically Targets Human CD1d Antigen Presentation To Enhance Its Pathogenicity. <i>Journal of Virology</i> , 2018, 92, .	1.5	10
69	A GWAS approach identifies Dapp1 as a determinant of air pollution-induced airway hyperreactivity. <i>PLoS Genetics</i> , 2019, 15, e1008528.	1.5	9
70	Type 2 Innate Lymphoid Cells: Protectors in Type 2 Diabetes. <i>Frontiers in Immunology</i> , 2021, 12, 727008.	2.2	8
71	Isoaspartylation appears to trigger small cell lung cancer-associated autoimmunity against neuronal protein ELAVL4. <i>Journal of Neuroimmunology</i> , 2016, 299, 70-78.	1.1	7
72	CD52-targeted depletion by Alemtuzumab ameliorates allergic airway hyperreactivity and lung inflammation. <i>Mucosal Immunology</i> , 2021, 14, 899-911.	2.7	7

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73	Reply to Natural killer T cells and CD8+ T cells are dispensable for T cell-dependent allergic airway inflammation. <i>Nature Medicine</i> , 2006, 12, 1347-1347.	15.2	4
74	Feasibility of quantifying change in immune white cells in abdominal adipose tissue in response to an immune modulator in clinical obesity. <i>PLoS ONE</i> , 2020, 15, e0237496.	1.1	4
75	Adaptation of Imaging Mass Cytometry to Explore the Single Cell Alloimmune Landscape of Liver Transplant Rejection. <i>Frontiers in Immunology</i> , 2022, 13, 831103.	2.2	4
76	Near-roadway air pollution, immune cells and adipokines among obese young adults. <i>Environmental Health</i> , 2022, 21, 36.	1.7	4
77	Absence of CD28-CTLA4-PD-L1 Costimulatory Molecules Reduces Herpes Simplex Virus 1 Reactivation. <i>MBio</i> , 2021, 12, e0117621.	1.8	2
78	Response to α CD8 subunit expression by plasmacytoid dendritic cells is variable, and does not define stable subsets. <i>Mucosal Immunology</i> , 2014, 7, 1278-1279.	2.7	1
79	Impact of a Demyelination-Inducing Central Nervous System Virus on Expression of Demyelination Genes in Type 2 Lymphoid Cells. <i>Journal of Virology</i> , 2021, 95, .	1.5	1
80	Analysis of the interplay between hepatitis B virus-positive hepatocytes and Kupffer cells ex vivo using mice as a model. <i>STAR Protocols</i> , 2022, 3, 101364.	0.5	1
81	Reply. <i>Journal of Allergy and Clinical Immunology</i> , 2017, 139, 712-713.	1.5	0