

Omid Akbari

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Adaptation of Imaging Mass Cytometry to Explore the Single Cell Alloimmune Landscape of Liver Transplant Rejection.. <i>Frontiers in Immunology</i> , 2022 , 13, 831103	8.4	0
80	Autophagy impairment in liver CD11c cells promotes non-alcoholic fatty liver disease through production of IL-23.. <i>Nature Communications</i> , 2022 , 13, 1440	17.4	1
79	Near-roadway air pollution, immune cells and adipokines among obese young adults.. <i>Environmental Health</i> , 2022 , 21, 36	6	0
78	Analysis of the interplay between hepatitis B virus-positive hepatocytes and Kupffer cells using mice as a model.. <i>STAR Protocols</i> , 2022 , 3, 101364	1.4	
77	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,	6.6	1
76	Cannabinoid receptor 2 engagement promotes group 2 innate lymphoid cell expansion and enhances airway hyperreactivity. <i>Journal of Allergy and Clinical Immunology</i> , 2021 ,	11.5	3
75	CD200-CD200R immune checkpoint engagement regulates ILC2 effector function and ameliorates lung inflammation in asthma. <i>Nature Communications</i> , 2021 , 12, 2526	17.4	5
74	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> , 2021 ,	11.5	5
73	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	11.5	18
72	CD52-targeted depletion by Alemtuzumab ameliorates allergic airway hyperreactivity and lung inflammation. <i>Mucosal Immunology</i> , 2021 , 14, 899-911	9.2	2
71	Creation of a Single Cell RNASeq Meta-Atlas to Define Human Liver Immune Homeostasis. <i>Frontiers in Immunology</i> , 2021 , 12, 679521	8.4	1
70	Type 2 Innate Lymphoid Cells: Protectors in Type 2 Diabetes. <i>Frontiers in Immunology</i> , 2021 , 12, 727008	8.4	3
69	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	8.4	4
68	Absence of CD28-CTLA4-PD-L1 Costimulatory Molecules Reduces Herpes Simplex Virus 1 Reactivation. <i>MBio</i> , 2021 , 12, e0117621	7.8	2
67	AMPK induces regulatory innate lymphoid cells after traumatic brain injury. <i>JCI Insight</i> , 2021 , 6,	9.9	9
66	Repopulation of T, B, and NK cells following alemtuzumab treatment in relapsing-remitting multiple sclerosis. <i>Journal of Neuroinflammation</i> , 2020 , 17, 189	10.1	17
65	Role of Autophagy in Lung Inflammation. <i>Frontiers in Immunology</i> , 2020 , 11, 1337	8.4	20

64	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	11.5	26
63	Type 2 Innate Lymphoid Cells Induce CNS Demyelination in an HSV-IL-2 Mouse Model of Multiple Sclerosis. <i>IScience</i> , 2020 , 23, 101549	6.1	8
62	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	8.4	9
61	PD-1 pathway regulates ILC2 metabolism and PD-1 agonist treatment ameliorates airway hyperreactivity. <i>Nature Communications</i> , 2020 , 11, 3998	17.4	43
60	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	3.7	2
59	Perinatal nicotine exposure-induced transgenerational asthma: Effects of reexposure in F1 gestation. <i>FASEB Journal</i> , 2020 , 34, 11444-11459	0.9	2
58	DR3 stimulation of adipose resident ILC2s ameliorates type 2 diabetes mellitus. <i>Nature Communications</i> , 2020 , 11, 4718	17.4	15
57	Genome-wide analysis highlights contribution of immune system pathways to the genetic architecture of asthma. <i>Nature Communications</i> , 2020 , 11, 1776	17.4	33
56	Roles of Type 1, 2, and 3 Innate Lymphoid Cells in Herpes Simplex Virus 1 Infection and. <i>Journal of Virology</i> , 2019 , 93,	6.6	10
55	Transcriptional regulation of autophagy-lysosomal function in BRAF-driven melanoma progression and chemoresistance. <i>Nature Communications</i> , 2019 , 10, 1693	17.4	65
54	Immunologic benefit of maternal donors in pediatric living donor liver transplantation. <i>Pediatric Transplantation</i> , 2019 , 23, e13560	1.8	5
53	Dietary Fiber-Induced Microbial Short Chain Fatty Acids Suppress ILC2-Dependent Airway Inflammation. <i>Frontiers in Immunology</i> , 2019 , 10, 2051	8.4	55
52	Exposure to Nanoscale Particulate Matter from Gestation to Adulthood Impairs Metabolic Homeostasis in Mice. <i>Scientific Reports</i> , 2019 , 9, 1816	4.9	13
51	Costimulation of type-2 innate lymphoid cells by GITR promotes effector function and ameliorates type 2 diabetes. <i>Nature Communications</i> , 2019 , 10, 713	17.4	41
50	TNFR2 Signaling Enhances ILC2 Survival, Function, and Induction of Airway Hyperreactivity. <i>Cell Reports</i> , 2019 , 29, 4509-4524.e5	10.6	23
49	A GWAS approach identifies Dapp1 as a determinant of air pollution-induced airway hyperreactivity. <i>PLoS Genetics</i> , 2019 , 15, e1008528	6	4
48	A truncating mutation in the autophagy gene UVRAG drives inflammation and tumorigenesis in mice. <i>Nature Communications</i> , 2019 , 10, 5681	17.4	22
47	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	11.5	12

46	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	11.5	45
45	IL-10, TGF- β 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	11.5	32
44	Social Networking of Group Two Innate Lymphoid Cells in Allergy and Asthma. <i>Frontiers in Immunology</i> , 2018 , 9, 2694	8.4	36
43	Herpes Simplex Virus 1 Specifically Targets Human CD1d Antigen Presentation To Enhance Its Pathogenicity. <i>Journal of Virology</i> , 2018 , 92,	6.6	5
42	Reply. <i>Journal of Allergy and Clinical Immunology</i> , 2017 , 139, 712-713	11.5	
41	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	9.3	59
40	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	2.4	79
39	Efficacy of Rhesus Theta-Defensin-1 in Experimental Models of Pseudomonas aeruginosa Lung Infection and Inflammation. <i>Antimicrobial Agents and Chemotherapy</i> , 2017 , 61,	5.9	15
38	Type two innate lymphoid cells: the Janus cells in health and disease. <i>Immunological Reviews</i> , 2017 , 278, 192-206	11.3	16
37	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	11.5	121
36	IKK Kinase Is an NFATc1 Kinase that Inhibits T Cell Immune Response. <i>Cell Reports</i> , 2016 , 16, 405-418	10.6	25
35	Isoaspartylation appears to trigger small cell lung cancer-associated autoimmunity against neuronal protein ELAVL4. <i>Journal of Neuroimmunology</i> , 2016 , 299, 70-78	3.5	4
34	Nicotinic acetylcholine receptor agonist attenuates ILC2-dependent airway hyperreactivity. <i>Nature Communications</i> , 2016 , 7, 13202	17.4	71
33	Lower omental t-regulatory cell count is associated with higher fasting glucose and lower Ecell function in adults with obesity. <i>Obesity</i> , 2016 , 24, 1274-82	8	18
32	Lack of autophagy induces steroid-resistant airway inflammation. <i>Journal of Allergy and Clinical Immunology</i> , 2016 , 137, 1382-1389.e9	11.5	47
31	Innate lymphoid cells: a paradigm for low SSI in left lip repair. <i>Journal of Surgical Research</i> , 2016 , 205, 312-317	2.5	9
30	A Subset of CD8 β Invariant NKT Cells in a Humanized Mouse Model. <i>Journal of Immunology</i> , 2015 , 195, 1459-69	5.3	6
29	Batf3 deficiency is not critical for the generation of CD8 β dendritic cells. <i>Immunobiology</i> , 2015 , 220, 518-24	3.4	12

28	ICOS:ICOS-ligand interaction is required for type 2 innate lymphoid cell function, homeostasis, and induction of airway hyperreactivity. <i>Immunity</i> , 2015 , 42, 538-51	32.3	200
27	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	3.7	18
26	Response to "CD8 subunit expression by plasmacytoid dendritic cells is variable, and does not define stable subsets". <i>Mucosal Immunology</i> , 2014 , 7, 1278-9	9.2	1
25	Role of plasmacytoid dendritic cell subsets in allergic asthma. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2013 , 68, 695-701	9.3	16
24	Programmed cell death ligand 2 regulates TH9 differentiation and induction of chronic airway hyperreactivity. <i>Journal of Allergy and Clinical Immunology</i> , 2013 , 131, 1048-57, 1057.e1-2	11.5	71
23	Lack of PD-L1 expression by iNKT cells improves the course of influenza A infection. <i>PLoS ONE</i> , 2013 , 8, e59599	3.7	18
22	Effects of systemic versus local administration of corticosteroids on mucosal tolerance. <i>Journal of Immunology</i> , 2012 , 188, 470-6	5.3	13
21	CD8 $\alpha\alpha$ and CD8 $\beta\beta$ plasmacytoid dendritic cells induce Foxp3 ⁺ regulatory T cells and prevent the induction of airway hyper-reactivity. <i>Mucosal Immunology</i> , 2012 , 5, 432-43	9.2	61
20	Role of PD-L1 and PD-L2 in allergic diseases and asthma. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2011 , 66, 155-62	9.3	83
19	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, 2107-15	5.3	36
18	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	9.2	133
17	Natural killer T cells in the lungs of patients with asthma. <i>Journal of Allergy and Clinical Immunology</i> , 2009 , 123, 1181-5	11.5	63
16	Activation of nonclassical CD1d-restricted NK T cells induces airway hyperreactivity in beta 2-microglobulin-deficient mice. <i>Journal of Immunology</i> , 2008 , 181, 4560-4569	5.3	26
15	ICOS/ICOSL interaction is required for CD4 ⁺ invariant NKT cell function and homeostatic survival. <i>Journal of Immunology</i> , 2008 , 180, 5448-56	5.3	66
14	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, 2782-7	11.5	180
13	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, 962-8	9.3	16
12	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	50.5	1
11	Role of regulatory dendritic cells in allergy and asthma. <i>Current Allergy and Asthma Reports</i> , 2005 , 5, 56-61	5.0	50

10	Induction of T helper type 1-like regulatory cells that express Foxp3 and protect against airway hyper-reactivity. <i>Nature Immunology</i> , 2004 , 5, 1149-56	19.1	262
9	Role of regulatory dendritic cells in allergy and asthma. <i>Current Opinion in Allergy and Clinical Immunology</i> , 2004 , 4, 533-8	3.3	20
8	Role of regulatory T cells in allergy and asthma. <i>Current Opinion in Immunology</i> , 2003 , 15, 627-33	7.8	165
7	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, 582-8	50.5	588
6	Mucosal tolerance and immunity: regulating the development of allergic disease and asthma. <i>International Archives of Allergy and Immunology</i> , 2003 , 130, 108-18	3.7	38
5	Antigen-specific regulatory T cells develop via the ICOS-ICOS-ligand pathway and inhibit allergen-induced airway hyperreactivity. <i>Nature Medicine</i> , 2002 , 8, 1024-32	50.5	672
4	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, 460-8	11.5	187
3	Pulmonary dendritic cells producing IL-10 mediate tolerance induced by respiratory exposure to antigen. <i>Nature Immunology</i> , 2001 , 2, 725-31	19.1	1066
2	Identification of Tapr (an airway hyperreactivity regulatory locus) and the linked Tim gene family. <i>Nature Immunology</i> , 2001 , 2, 1109-16	19.1	404
1	Large-scale Genetic Analysis Identifies 66 Novel Loci for Asthma		2