

Hye-Young Kim

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

5,173
citations

201674

27
h-index

88630

70
g-index

83
all docs

83
docs citations

83
times ranked

7031
citing authors

#	ARTICLE	IF	CITATIONS
1	Extrathymically generated regulatory T cells control mucosal TH2 inflammation. <i>Nature</i> , 2012, 482, 395-399.	27.8	733
2	Innate lymphoid cells mediate influenza-induced airway hyper-reactivity independently of adaptive immunity. <i>Nature Immunology</i> , 2011, 12, 631-638.	14.5	722
3	Interleukin-17 ⁺ producing innate lymphoid cells and the NLRP3 inflammasome facilitate obesity-associated airway hyperreactivity. <i>Nature Medicine</i> , 2014, 20, 54-61.	30.7	515
4	The many paths to asthma: phenotype shaped by innate and adaptive immunity. <i>Nature Immunology</i> , 2010, 11, 577-584.	14.5	498
5	Innate lymphoid cells responding to IL-33 mediate airway hyperreactivity independently of adaptive immunity. <i>Journal of Allergy and Clinical Immunology</i> , 2012, 129, 216-227.e6.	2.9	287
6	Ozone exposure in a mouse model induces airway hyperreactivity that requires the presence of natural killer T cells and IL-17. <i>Journal of Experimental Medicine</i> , 2008, 205, 385-393.	8.5	285
7	Influenza infection in suckling mice expands an NKT cell subset that protects against airway hyperreactivity. <i>Journal of Clinical Investigation</i> , 2011, 121, 57-69.	8.2	137
8	NKT cells promote antibody-induced joint inflammation by suppressing transforming growth factor β 1 production. <i>Journal of Experimental Medicine</i> , 2005, 201, 41-47.	8.5	126
9	Invariant natural killer T cells recognize a fungal glycosphingolipid that can induce airway hyperreactivity. <i>Nature Medicine</i> , 2013, 19, 1297-1304.	30.7	124
10	Exaggerated IL-17 response to epicutaneous sensitization mediates airway inflammation in the absence of IL-4 and IL-13. <i>Journal of Allergy and Clinical Immunology</i> , 2009, 124, 761-770.e1.	2.9	102
11	Innate lymphoid cells and asthma. <i>Journal of Allergy and Clinical Immunology</i> , 2014, 133, 943-950.	2.9	93
12	Natural Killer T (NKT) Cells Attenuate Bleomycin-Induced Pulmonary Fibrosis by Producing Interferon- γ . <i>American Journal of Pathology</i> , 2005, 167, 1231-1241.	3.8	79
13	Natural killer T cells in the lungs of patients with asthma. <i>Journal of Allergy and Clinical Immunology</i> , 2009, 123, 1181-1185.e1.	2.9	72
14	A polymorphism in TIM1 is associated with susceptibility to severe hepatitis A virus infection in humans. <i>Journal of Clinical Investigation</i> , 2011, 121, 1111-1118.	8.2	68
15	Apoptotic Cells Activate NKT Cells through T Cell Ig-Like Mucin-Like ¹ Resulting in Airway Hyperreactivity. <i>Journal of Immunology</i> , 2010, 185, 5225-5235.	0.8	67
16	Innate lymphoid cells in asthma: Will they take your breath away?. <i>European Journal of Immunology</i> , 2016, 46, 795-806.	2.9	64
17	Innate immune crosstalk in asthmatic airways: Innate lymphoid cells coordinate polarization of lung macrophages. <i>Journal of Allergy and Clinical Immunology</i> , 2019, 143, 1769-1782.e11.	2.9	64
18	Pulmonary Inflammation Induced by Subacute Ozone Is Augmented in Adiponectin-Deficient Mice: Role of IL-17A. <i>Journal of Immunology</i> , 2012, 188, 4558-4567.	0.8	63

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19	In vivo regulation of the allergic response by the IL-4 receptor α chain immunoreceptor tyrosine-based inhibitory motif. <i>Journal of Allergy and Clinical Immunology</i> , 2010, 125, 1128-1136.e8.	2.9	60
20	Fc γ RIII engagement provides activating signals to NKT cells in antibody-induced joint inflammation. <i>Journal of Clinical Investigation</i> , 2006, 116, 2484-92.	8.2	57
21	Innate immunity in the lung regulates the development of asthma. <i>Immunological Reviews</i> , 2014, 260, 235-248.	6.0	56
22	IL23-Producing Human Lung Cancer Cells Promote Tumor Growth via Conversion of Innate Lymphoid Cell 1 (ILC1) into ILC3. <i>Clinical Cancer Research</i> , 2019, 25, 4026-4037.	7.0	48
23	Recruitment of the Swi/Snf Complex by Ste12-Tec1 Promotes Flo8-Mss11-Mediated Activation of STA1 Expression. <i>Molecular and Cellular Biology</i> , 2004, 24, 9542-9556.	2.3	44
24	Rpd3L HDAC links H3K4me3 to transcriptional repression memory. <i>Nucleic Acids Research</i> , 2018, 46, 8261-8274.	14.5	41
25	Cytosolic Pellino-1-Mediated K63-Linked Ubiquitination of IRF5 in M1 Macrophages Regulates Glucose Intolerance in Obesity. <i>Cell Reports</i> , 2017, 20, 832-845.	6.4	36
26	Engagement of Glucocorticoid-Induced TNF Receptor Costimulates NKT Cell Activation In Vitro and In Vivo. <i>Journal of Immunology</i> , 2006, 176, 3507-3515.	0.8	34
27	The Development of Airway Hyperreactivity in T-bet-Deficient Mice Requires CD1d-Restricted NKT Cells. <i>Journal of Immunology</i> , 2009, 182, 3252-3261.	0.8	29
28	IL-23 secreted by bronchial epithelial cells contributes to allergic sensitization in asthma model: role of IL-23 secreted by bronchial epithelial cells. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2017, 312, L13-L21.	2.9	29
29	Tumor-Infiltrating Regulatory T-cell Accumulation in the Tumor Microenvironment Is Mediated by IL33/ST2 Signaling. <i>Cancer Immunology Research</i> , 2020, 8, 1393-1406.	3.4	28
30	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.	0.8	27
31	T-cell immunoglobulin and mucin domain 1 deficiency eliminates airway hyperreactivity triggered by the recognition of airway cell death. <i>Journal of Allergy and Clinical Immunology</i> , 2013, 132, 414-425.e6.	2.9	24
32	The Roles of Innate Lymphoid Cells in the Development of Asthma. <i>Immune Network</i> , 2014, 14, 171.	3.6	23
33	α -Sialyllactose prebiotics prevents skin inflammation via regulatory T cell differentiation in atopic dermatitis mouse models. <i>Scientific Reports</i> , 2020, 10, 5603.	3.3	23
34	Pivotal role of IL-6 in the hyperinflammatory responses to subacute ozone in adiponectin-deficient mice. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2014, 306, L508-L520.	2.9	22
35	Aggravation of asthmatic inflammation by chlorine exposure via innate lymphoid cells and CD11c ^{intermediate} macrophages. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2020, 75, 381-391.	5.7	22
36	Initial Influenza Virus Replication Can Be Limited in Allergic Asthma Through Rapid Induction of Type III Interferons in Respiratory Epithelium. <i>Frontiers in Immunology</i> , 2018, 9, 986.	4.8	20

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37	Direct Engagement of TLR4 in Invariant NKT Cells Regulates Immune Diseases by Differential IL-4 and IFN- γ Production in Mice. <i>PLoS ONE</i> , 2012, 7, e45348.	2.5	20
38	Two distinct domains of Flo8 activator mediates its role in transcriptional activation and the physical interaction with Mss11. <i>Biochemical and Biophysical Research Communications</i> , 2014, 449, 202-207.	2.1	19
39	Palmitate inhibits arthritis by inducing t-bet and gata-3 mRNA degradation in iNKT cells via IRE1 α -dependent decay. <i>Scientific Reports</i> , 2017, 7, 14940.	3.3	19
40	Siglec-F α -expressing neutrophils are essential for creating a profibrotic microenvironment in renal fibrosis. <i>Journal of Clinical Investigation</i> , 2022, 132, .	8.2	19
41	Invariant NKT Cells Functionally Link Microbiota-Induced Butyrate Production and Joint Inflammation. <i>Journal of Immunology</i> , 2019, 203, 3199-3208.	0.8	18
42	The Dynamic Contribution of Neutrophils in the Chronic Respiratory Diseases. <i>Allergy, Asthma and Immunology Research</i> , 2022, 14, 361.	2.9	18
43	IL-17A α -Producing Innate Lymphoid Cells Promote Skin Inflammation by Inducing IL-33 α -Driven Type 2 Immune Responses. <i>Journal of Investigative Dermatology</i> , 2020, 140, 827-837.e9.	0.7	17
44	Mesenchymal Stem Cells Suppress Severe Asthma by Directly Regulating Th2 Cells and Type 2 Innate Lymphoid Cells. <i>Molecules and Cells</i> , 2021, 44, 580-590.	2.6	17
45	The invariant natural killer T cell α -mediated chemokine X-C motif chemokine ligand 1 α -X-C motif chemokine receptor 1 axis promotes allergic airway hyperresponsiveness by recruiting CD103+ dendritic cells. <i>Journal of Allergy and Clinical Immunology</i> , 2018, 142, 1781-1792.e12.	2.9	16
46	Increased GM α -CSF α -producing NCR ⁺ ILC3s and neutrophils in the intestinal mucosa exacerbate inflammatory bowel disease. <i>Clinical and Translational Immunology</i> , 2021, 10, e1311.	3.8	16
47	Ubiquitin E3 Ligase Pellino-1 Inhibits IL-10-mediated M2c Polarization of Macrophages, Thereby Suppressing Tumor Growth. <i>Immune Network</i> , 2019, 19, e32.	3.6	16
48	Innate Lymphoid Cells in Tissue Homeostasis and Disease Pathogenesis. <i>Molecules and Cells</i> , 2021, 44, 301-309.	2.6	15
49	Alteration of Lung and Gut Microbiota in IL-13-Transgenic Mice Simulating Chronic Asthma. <i>Journal of Microbiology and Biotechnology</i> , 2020, 30, 1819-1826.	2.1	15
50	Thalidomide Inhibits Alternative Activation of Macrophages In Vivo and In Vitro: A Potential Mechanism of Anti-Asthmatic Effect of Thalidomide. <i>PLoS ONE</i> , 2015, 10, e0123094.	2.5	14
51	Palmitate induces lipoapoptosis in Schwann cells through ROS generation-mediated STAMP2 downregulation. <i>Biochemical and Biophysical Research Communications</i> , 2018, 503, 1260-1266.	2.1	14
52	Altered T cell and monocyte subsets in prolonged immune reconstitution inflammatory syndrome related with DRESS (drug reaction with eosinophilia and systemic symptoms). <i>Asia Pacific Allergy</i> , 2020, 10, e2.	1.3	14
53	Targeting the Epithelium-Derived Innate Cytokines: From Bench to Bedside. <i>Immune Network</i> , 2022, 22, e11.	3.6	14
54	Cigarette smoke aggravates asthma by inducing memory-like type 3 innate lymphoid cells. <i>Nature Communications</i> , 2022, 13, .	12.8	14

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55	The effect of air pollutants on airway innate immune cells in patients with asthma. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2020, 75, 2372-2376.	5.7	13
56	A unique population of neutrophils generated by air pollutant-induced lung damage exacerbates airway inflammation. <i>Journal of Allergy and Clinical Immunology</i> , 2022, 149, 1253-1269.e8.	2.9	13
57	Blockade of RGMb inhibits allergen-induced airways disease. <i>Journal of Allergy and Clinical Immunology</i> , 2019, 144, 94-108.e11.	2.9	12
58	FTY720, a sphingosine 1-phosphate receptor modulator, inhibits CD1d-restricted NKT cells by suppressing cytokine production but not migration. <i>Laboratory Investigation</i> , 2010, 90, 9-19.	3.7	11
59	Reduction of circulating innate lymphoid cell progenitors results in impaired cytokine production by innate lymphoid cells in patients with lupus nephritis. <i>Arthritis Research and Therapy</i> , 2020, 22, 63.	3.5	10
60	Effect of <i>Acinetobacter lwoffii</i> on the modulation of macrophage activation and asthmatic inflammation. <i>Clinical and Experimental Allergy</i> , 2022, 52, 518-529.	2.9	10
61	Ssu72 regulates alveolar macrophage development and allergic airway inflammation by fine-tuning of GM-CSF receptor signaling. <i>Journal of Allergy and Clinical Immunology</i> , 2021, 147, 1242-1260.	2.9	8
62	Protective Effects of Korean Herbal Remedy against Airway Inflammation in an Allergic Asthma by Suppressing Eosinophil Recruitment and Infiltration in Lung. <i>Antioxidants</i> , 2021, 10, 6.	5.1	8
63	Functional Defects in Type 3 Innate Lymphoid Cells and Classical Monocytes in a Patient with Hyper-IgE Syndrome. <i>Immune Network</i> , 2017, 17, 352.	3.6	7
64	Intratracheal administration of mesenchymal stem cells modulates lung macrophage polarization and exerts anti-asthmatic effects. <i>Scientific Reports</i> , 2022, 12, .	3.3	7
65	Intronic SH2D1A mutation with impaired SAP expression and agammaglobulinemia. <i>Clinical Immunology</i> , 2013, 146, 84-89.	3.2	6
66	Interactions between NCR ⁺ ILC3s and the Microbiome in the Airways Shape Asthma Severity. <i>Immune Network</i> , 2021, 21, e25.	3.6	5
67	NK1.1 ⁺ natural killer T cells upregulate interleukin-17 expression in experimental lupus nephritis. <i>American Journal of Physiology - Renal Physiology</i> , 2021, 320, F772-F788.	2.7	5
68	Soluble Fas ligand drives autoantibody-induced arthritis by binding to DR5/TRAIL-R2. <i>ELife</i> , 2021, 10, .	6.0	5
69	Activation of formyl peptide receptor 1 elicits therapeutic effects against collagen-induced arthritis. <i>Journal of Cellular and Molecular Medicine</i> , 2021, 25, 8936-8946.	3.6	5
70	Resveratrol in Asthma: A French Paradox?. <i>Allergy, Asthma and Immunology Research</i> , 2017, 9, 1.	2.9	4
71	Novel Sca-1 ⁺ macrophages modulate the pathogenic progress of endotoxemia. <i>Biochemical and Biophysical Research Communications</i> , 2020, 533, 83-89.	2.1	4
72	Ssu72 phosphatase directly binds to ZAP-70, thereby providing fine-tuning of TCR signaling and preventing spontaneous inflammation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	4

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73	<i>Selenomonas</i> : A marker of asthma severity with the potential therapeutic effect. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2022, 77, 317-320.	5.7	4
74	Sodium chloride inhibits IFN- β , but not IL-4, production by invariant NKT cells. <i>Journal of Leukocyte Biology</i> , 2018, 103, 99-106.	3.3	3
75	Serum amyloid A promotes emphysema by triggering the reciprocal activation of neutrophils and ILC3s. <i>Clinical and Translational Medicine</i> , 2021, 11, e637.	4.0	3
76	OASL1-Mediated Inhibition of Type I IFN Reduces Influenza A Infection-Induced Airway Inflammation by Regulating ILC2s. <i>Allergy, Asthma and Immunology Research</i> , 2022, 14, 99.	2.9	3
77	Analysis of Innate and Adaptive Immunological Characteristics in Patients with IgG4-Related Disease. <i>International Archives of Allergy and Immunology</i> , 2020, 181, 807-812.	2.1	2
78	Innate immunity in asthma. <i>Allergy Asthma & Respiratory Disease</i> , 2014, 2, 317.	0.2	1
79	Chronic rhinosinusitis endotypes associate with distinct local cytokine milieu that shape the distribution of innate lymphoid cells. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2022, 77, 2246-2250.	5.7	1
80	Lipid-Reactive T Cells in Immunological Disorders of the Lung. <i>Frontiers in Immunology</i> , 2018, 9, 2205.	4.8	0