Anne I Sperling

List of Publications by Year
in descending order

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Version: 2024-02-01

109	7,538	71102	56724
papers	citations	41 h-index	83 g-index

114	114	114	12409
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Advancing Lung Immunology Research: An Official American Thoracic Society Workshop Report. American Journal of Respiratory Cell and Molecular Biology, 2022, 67, e1-18.	2.9	3
2	Pro-lymphangiogenic VEGFR-3 signaling modulates memory T cell responses in allergic airway inflammation. Mucosal Immunology, 2021, 14, 144-151.	6.0	8
3	SARS-CoV-2 Infection Is Associated with Reduced KrÃ¼ppel-like Factor 2 in Human Lung Autopsy. American Journal of Respiratory Cell and Molecular Biology, 2021, 65, 222-226.	2.9	5
4	IL-33â€“mediated Eosinophilia Protects against Acute Lung Injury. American Journal of Respiratory Cell and Molecular Biology, 2021, 64, 569-578.	2.9	22
5	A series of <scp>COVID</scp>â€19 autopsies with clinical and pathologic comparisons to both seasonal and pandemic influenza. Journal of Pathology: Clinical Research, 2021, 7, 459-470.	3.0	9
6	A Gata3 enhancer necessary for ILC2 development and function. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	12
7	Modeling human adaptive immune responses with tonsil organoids. Nature Medicine, 2021, 27, 125-135.	30.7	133
8	Asthma-associated genetic variants induce IL33 differential expression through an enhancer-blocking regulatory region. Nature Communications, 2021, 12, 6115.	12.8	28
9	Circulating Plasma Biomarkers of Progressive Interstitial Lung Disease. American Journal of Respiratory and Critical Care Medicine, 2020, 201, 250-253.	5.6	30
10	Temperature Trajectory Subphenotypes Correlate With Immune Responses in Patients With Sepsis. Critical Care Medicine, 2020, 48, 1645-1653.	0.9	35
11	Adjuvant-free nanofiber vaccine induces in situ lung dendritic cell activation and T _H 17 responses. Science Advances, 2020, 6, eaba0995.	10.3	33
12	Fibroblast-enriched endoplasmic reticulum protein TXNDC5 promotes pulmonary fibrosis by augmenting TGFÎ² signaling through TGFBR1 stabilization. Nature Communications, 2020, 11, 4254.	12.8	62
13	Circulating Plasma Biomarkers of Survival in Antifibrotic-Treated Patients With Idiopathic Pulmonary Fibrosis. Chest, 2020, 158, 1526-1534.	0.8	31
14	Effects of an FcÎ³RIIA polymorphism on leukocyte gene expression and cytokine responses to anti-CD3 and anti-CD28 antibodies. Genes and Immunity, 2019, 20, 462-472.	4.1	8
15	Improving the Quality and Reproducibility of Flow Cytometry in the Lung. An Official American Thoracic Society Workshop Report. American Journal of Respiratory Cell and Molecular Biology, 2019, 61, 150-161.	2.9	49
16	Associations between fungal and bacterial microbiota of airways and asthma endotypes. Journal of Allergy and Clinical Immunology, 2019, 144, 1214-1227.e7.	2.9	96
17	Transcriptional programming and T cell receptor repertoires distinguish human lung and lymph node memory T cells. Communications Biology, 2019, 2, 411.	4.4	16
18	T-cell phenotypes are associated with serum IgE levels in Amish and Hutterite children. Journal of Allergy and Clinical Immunology, 2019, 144, 1391-1401.e10.	2.9	23

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19	Evidence for an IL-6â€“high asthma phenotype in asthmatic patients of African ancestry. Journal of Allergy and Clinical Immunology, 2019, 144, 304-306.e4.	2.9	15
20	T cell Co-Stimulatory molecules ICOS and CD28 stratify idiopathic pulmonary fibrosis survival. Respiratory Medicine: X, 2019, 1, 100002.	1.4	7
21	Prognosticating Outcomes in Interstitial Lung Disease by Mediastinal Lymph Node Assessment. An Observational Cohort Study with Independent Validation. American Journal of Respiratory and Critical Care Medicine, 2019, 199, 747-759.	5.6	36
22	Single-Cell Transcriptomic Analysis of Human Lung Provides Insights into the Pathobiology of Pulmonary Fibrosis. American Journal of Respiratory and Critical Care Medicine, 2019, 199, 1517-1536.	5.6	866
23	Reply to Lescoat et al. and to Khamis et al.. American Journal of Respiratory and Critical Care Medicine, 2019, 199, 1041-1042.	5.6	0
24	Protection against Staphylococcus aureus bacteremia-induced mortality depends on ILC2s and eosinophils. JCI Insight, 2019, 4, .	5.0	31
25	Distinct T-helper cell responses to Staphylococcus aureus bacteremia reflect immunologic comorbidities and correlate with mortality. Critical Care, 2018, 22, 107.	5.8	31
26	ICOS protects against mortality from acute lung injury through activation of IL-5+ ILC2s. Mucosal Immunology, 2018, 11, 61-70.	6.0	23
27	Allergen Exposure in Lymphopenic Fas-Deficient Mice Results in Persistent Eosinophilia Due to Defects in Resolution of Inflammation. Frontiers in Immunology, 2018, 9, 2395.	4.8	1
28	Non-apoptotic Fas (CD95) Signaling on T Cells Regulates the Resolution of Th2-Mediated Inflammation. Frontiers in Immunology, 2018, 9, 2521.	4.8	16
29	Elevated levels of soluble humanleukocyte antigen-G in the airways are a marker for a low-inflammatory endotype of asthma. Journal of Allergy and Clinical Immunology, 2017, 140, 857-860.	2.9	13
30	Immune development and environment: lessons from Amish and Hutterite children. Current Opinion in Immunology, 2017, 48, 51-60.	5.5	74
31	Preexisting Type 2 Immune Activation Protects against the Development of Sepsis. American Journal of Respiratory Cell and Molecular Biology, 2017, 57, 628-630.	2.9	13
32	IL-33 Drives Monocyte Recruitment to Lung Interstitium through Chemokine Upregulation. ImmunoHorizons, 2017, 1, 101-108.	1.8	9
33	DNA methylation in lung cells is associated with asthma endotypes and genetic risk. JCI Insight, 2016, 1, e90151.	5.0	133
34	Skewed Lung CCR4 to CCR6 CD4+ T Cell Ratio in Idiopathic Pulmonary Fibrosis Is Associated with Pulmonary Function. Frontiers in Immunology, 2016, 7, 516.	4.8	29
35	Mapping Variation in Cellular and Transcriptional Response to 1,25-Dihydroxyvitamin D3 in Peripheral Blood Mononuclear Cells. PLoS ONE, 2016, 11, e0159779.	2.5	18
36	Innate Immunity and Asthma Risk in Amish and Hutterite Farm Children. New England Journal of Medicine, 2016, 375, 411-421.	27.0	745

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37	Intrinsic functional defects of type 2 innate lymphoid cells impair innate allergic inflammation in promyelocytic leukemia zinc finger (PLZF)â€“deficient mice. Journal of Allergy and Clinical Immunology, 2016, 137, 591-600.e1.	2.9	29
38	Corticosteroid therapy and airflow obstruction influence the bronchial microbiome, which is distinct from that of bronchoalveolar lavage in asthmatic airways. Journal of Allergy and Clinical Immunology, 2016, 137, 1398-1405.e3.	2.9	128
39	Genome-Wide Methylation Study Identifies an IL-13â€“induced Epigenetic Signature in Asthmatic Airways. American Journal of Respiratory and Critical Care Medicine, 2016, 193, 376-385.	5.6	90
40	The Role of Dendritic Cells and Monocytes in the Maintenance and Loss of Respiratory Tolerance. Current Allergy and Asthma Reports, 2015, 15, 494.	5.3	9
41	Î³Î´ Intraepithelial Lymphocyte Migration Limits Transepithelial Pathogen Invasion and Systemic Disease in Mice. Gastroenterology, 2015, 148, 1417-1426.	1.3	112
42	Editorial overview: Allergy and hypersensitivity. Current Opinion in Immunology, 2014, 31, ix-xi.	5.5	0
43	Gata5 Deficiency Causes Airway Constrictor Hyperresponsiveness in Mice. American Journal of Respiratory Cell and Molecular Biology, 2014, 50, 787-795.	2.9	11
44	DNAâ€Directed Assembly of Antibodyâ€“Fluorophore Conjugates for Quantitative Multiparametric Flow Cytometry. ChemBioChem, 2014, 15, 267-275.	2.6	8
45	Distinct dendritic cell subsets actively induce Th2 polarization. Current Opinion in Immunology, 2014, 31, 44-50.	5.5	30
46	Signaling through FcRÎ³-associated receptors on dendritic cells drives IL-33â€“dependent TH2-type responses. Journal of Allergy and Clinical Immunology, 2014, 134, 706-713.e8.	2.9	49
47	Dissecting the Tumor Myeloid Compartment Reveals Rare Activating Antigen-Presenting Cells Critical for T Cell Immunity. Cancer Cell, 2014, 26, 638-652.	16.8	911
48	Autoreactive T and B Cells Induce the Development of Bronchus-Associated Lymphoid Tissue in the Lung. American Journal of Respiratory Cell and Molecular Biology, 2013, 48, 406-414.	2.9	25
49	Transcription factor IRF4 drives dendritic cells to promote Th2 differentiation. Nature Communications, 2013, 4, 2990.	12.8	328
50	Maternal asthma and microRNA regulation of soluble HLA-G in the airway. Journal of Allergy and Clinical Immunology, 2013, 131, 1496-1503.e4.	2.9	44
51	Circulating cytokines in sarcoidosis: Phenotype-specific alterations for fibrotic and non-fibrotic pulmonary disease. Cytokine, 2013, 61, 906-911.	3.2	28
52	RGS3 controls T lymphocyte migration in a model of Th2-mediated airway inflammation. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2013, 305, L693-L701.	2.9	17
53	Regulation of myofibroblast differentiation and bleomycin-induced pulmonary fibrosis by adrenomedullin. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2013, 304, L757-L764.	2.9	22
54	PKCÎ¸ Regulates T Cell Motility via Ezrin-Radixin-Moesin Localization to the Uropod. PLoS ONE, 2013, 8, e78940.	2.5	14

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55	IL-33â€“dependent induction of allergic lung inflammation by FcÎ³RIII signaling. Journal of Clinical Investigation, 2013, 123, 2287-2297.	8.2	78
56	ICOS-Expressing Lymphocytes Promote Resolution of CD8-Mediated Lung Injury in a Mouse Model of Lung Rejection. PLoS ONE, 2013, 8, e72955.	2.5	6
57	NKG2D signaling on CD8+ T cells represses T-bet and rescues CD4-unhelped CD8+ T cell memory recall but not effector responses. Nature Medicine, 2012, 18, 422-428.	30.7	56
58	The Contribution of Allergen-Specific IgG to the Development of Th2-Mediated Airway Inflammation. Journal of Allergy, 2012, 2012, 1-9.	0.7	33
59	The clinical and immunologic features of pulmonary fibrosis in sarcoidosis. Translational Research, 2012, 160, 321-331.	5.0	45
60	Dynamic migration of Î³Î´ intraepithelial lymphocytes requires occludin. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 7097-7102.	7.1	142
61	Protective Effector Memory CD4 T Cells Depend on ICOS for Survival. PLoS ONE, 2011, 6, e16529.	2.5	21
62	Inducible Costimulator Controls Migration of T Cells to the Lungs via Down-Regulation of CCR7 and CD62L. American Journal of Respiratory Cell and Molecular Biology, 2011, 45, 843-850.	2.9	16
63	CD43 interaction with ezrin-radixin-moesin (ERM) proteins regulates T-cell trafficking and CD43 phosphorylation. Molecular Biology of the Cell, 2011, 22, 954-963.	2.1	25
64	Occludin regulates Î³Î´ intraepithelial lymphocyte migration in vivo. FASEB Journal, 2011, 25, 1121.2.	0.5	0
65	Decreased Percentage of CD4+FoxP3+ Cells in Bronchoalveolar Lavage From Lung Transplant Recipients Correlates With Development of Bronchiolitis Obliterans Syndrome. Transplantation, 2010, 90, 540-546.	1.0	68
66	Ezrin Is Highly Expressed in Early Thymocytes, but Dispensable for T Cell Development in Mice. PLoS ONE, 2010, 5, e12404.	2.5	8
67	Fas Ligand Expression on T Cells Is Sufficient to Prevent Prolonged Airway Inflammation in a Murine Model of Asthma. American Journal of Respiratory Cell and Molecular Biology, 2010, 43, 342-348.	2.9	11
68	578 Tight Junction Protein Expression by Î³Î´ IELs Regulates Gastrointestinal Lymphocyte-Epithelial Interactions. Gastroenterology, 2010, 138, S-82.	1.3	0
69	Tight junction protein expression by Î³Î´ intraepithelial lymphocytes (IELs) regulates interactions between lymphocytes and epithelial cells. FASEB Journal, 2010, 24, .	0.5	0
70	Inducible Costimulator Expression Regulates the Magnitude of Th2-Mediated Airway Inflammation by Regulating the Number of Th2 Cells. PLoS ONE, 2009, 4, e7525.	2.5	17
71	CD28 and ICOS play complementary non-overlapping roles in the development of Th2 immunity in vivo. Cellular Immunology, 2009, 259, 177-184.	3.0	18
72	Role of lysophosphatidic acid receptor LPA2 in the development of allergic airway inflammation in a murine model of asthma. Respiratory Research, 2009, 10, 114.	3.6	57

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73	Gene-environment interactions in a mutant mouse kindred with native airway constrictor hyperresponsiveness. Mammalian Genome, 2008, 19, 2-14.	2.2	3
74	Regulation of Smad-Mediated Gene Transcription by RGS3. Molecular Pharmacology, 2008, 73, 1356-1361.	2.3	17
75	CD43 Regulates Th2 Differentiation and Inflammation. Journal of Immunology, 2008, 180, 7385-7393.	0.8	19
76	ICOS Costimulation Expands Th2 Immunity by Augmenting Migration of Lymphocytes to Draining Lymph Nodes. Journal of Immunology, 2008, 181, 1019-1024.	0.8	24
77	ICOS costimulation regulates the development of effector memory CD4 T cells. FASEB Journal, 2008, 22, 846.9.	0.5	0
78	T-cell costimulation blockade in immunologic diseases: role of CD28 family members. Expert Review of Clinical Immunology, 2007, 3, 383-393.	3.0	0
79	Signaling through CD43 regulates CD4 T-cell trafficking. Blood, 2007, 110, 2974-2982.	1.4	25
80	Signaling through FcÎ³RIII is required for optimal T helper type (Th)2 responses and Th2-mediated airway inflammation. Journal of Experimental Medicine, 2007, 204, 1875-1889.	8.5	61
81	Regulation of T:B cell interactions by the Inducible Costimulator molecule: Does ICOS â€œinduceâ€• disease?. Clinical Immunology, 2006, 121, 13-18.	3.2	27
82	Fas-positive T cells regulate the resolution of airway inflammation in a murine model of asthma. Journal of Experimental Medicine, 2006, 203, 1173-1184.	8.5	66
83	Role of Type 1 T Helper Cells in the Resolution of AcuteStreptococcus pneumoniaeSinusitis: A Mouse Model. Journal of Infectious Diseases, 2005, 192, 1237-1244.	4.0	16
84	Cutting Edge: Polymorphisms in the ICOS Promoter Region Are Associated with Allergic Sensitization and Th2 Cytokine Production. Journal of Immunology, 2005, 175, 2061-2065.	0.8	45
85	CD43 Regulation of T Cell Activation Is Not through Steric Inhibition of T Cellâ€“APC Interactions but through an Intracellular Mechanism. Journal of Experimental Medicine, 2004, 199, 1277-1283.	8.5	42
86	Antigen stimulation of TH2 cells augments acute bacterial sinusitis in mice. Journal of Allergy and Clinical Immunology, 2004, 114, 328-334.	2.9	20
87	Corticosteroid-induced apoptosis in mouse airway epithelium: Effect in normal airways and after allergen-induced airway inflammation. Journal of Allergy and Clinical Immunology, 2003, 111, 360-366.	2.9	43
88	CD43 Modulates Severity and Onset of Experimental Autoimmune Encephalomyelitis. Journal of Immunology, 2003, 171, 6527-6533.	0.8	43
89	Lymphotoxin Is Required for Maintaining Physiological Levels of Serum IgE That Minimizes Th1-mediated Airway Inflammation. Journal of Experimental Medicine, 2003, 198, 1643-1652.	8.5	43
90	Quantitation of secretory group V phospholipase A2 in human tissues by sandwich enzyme-linked immunosorbent assay. Journal of Immunological Methods, 2002, 262, 41-51.	1.4	7

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91	The distal pole complex: a novel membrane domain distal to the immunological synapse. Immunological Reviews, 2002, 189, 111-122.	6.0	84
92	ERM-Dependent Movement of CD43 Defines a Novel Protein Complex Distal to the Immunological Synapse. Immunity, 2001, 15, 739-750.	14.3	239
93	ICOS costimulation: it's not just for TH2 cells anymore. Nature Immunology, 2001, 2, 573-574.	14.5	68
94	Inducible Costimulator Regulates Th2-Mediated Inflammation, but Not Th2 Differentiation, in a Model of Allergic Airway Disease. Journal of Immunology, 2001, 167, 1996-2003.	0.8	116
95	CD4+ T Cell and Eosinophil Adhesion Is Mediated by Specific ICAM-3 Ligation and Results in Eosinophil Activation. Journal of Immunology, 2000, 164, 3385-3391.	0.8	14
96	Characterization of Monoclonal Antibodies Specific for 14-kDa Human Group V Secretory Phospholipase A2(hVPLA2). Hybridoma, 2000, 19, 171-176.	0.6	15
97	TRAF4 Deficiency Leads to Tracheal Malformation with Resulting Alterations in Air Flow to the Lungs. American Journal of Pathology, 2000, 157, 679-688.	3.8	72
98	Ribp, a Novel Rlk/Txk- and Itk-Binding Adaptor Protein That Regulates T Cell Activation. Journal of Experimental Medicine, 1999, 190, 1657-1668.	8.5	93
99	CTLA4Ig Inhibits Airway Eosinophilia and Hyperresponsiveness by Regulating the Development of Th1/Th2 Subsets in a Murine Model of Asthma. American Journal of Respiratory Cell and Molecular Biology, 1998, 18, 453-462.	2.9	102
100	Expression of Fas (CD95) and FasL (CD95L) in Human Airway Epithelium. American Journal of Respiratory Cell and Molecular Biology, 1998, 19, 537-542.	2.9	86
101	The Complexities of T-Cell Co-stimulation: CD28 and Beyond. Immunological Reviews, 1996, 153, 155-182.	6.0	142
102	CD43 is a murine T cell costimulatory receptor that functions independently of CD28.. Journal of Experimental Medicine, 1995, 182, 139-146.	8.5	139
103	TCRgammadelta Cells: A Specialized T-Cell Subset in the Immune System. Annual Review of Cell and Developmental Biology, 1995, 11, 307-353.	9.4	74
104	TCRÎ³Î´ cells: Mysterious cells of the immune system. Immunologic Research, 1994, 13, 268-279.	2.9	22
105	Absence of B7-dependent responses in CD28-deficient mice. Immunity, 1994, 1, 501-508.	14.3	359
106	The first line of defence?. Current Biology, 1993, 3, 294-296.	3.9	7
107	The gamma chain of the high-affinity receptor for IgE is a major functional subunit of the T-cell antigen receptor complex in gamma delta T lymphocytes.. Proceedings of the National Academy of Sciences of the United States of America, 1993, 90, 11875-11879.	7.1	58
108	Repertoire Development and Ligand Specificity of Murine TCRgammadelta Cells. Immunological Reviews, 1991, 120, 5-33.	6.0	68

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109	CD4â˜, CD8â˜ Î³/Î´ cells from normal mice respond to a syngeneic B cell lymphoma and can induce its differentiation. International Immunology, 1989, 1, 434-441.	4.0	21