

Anne I Sperling

List of Publications by Year in descending order

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109
papers

7,538
citations

71102

41
h-index

56724

83
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114
all docs

114
docs citations

114
times ranked

12409
citing authors

#	ARTICLE	IF	CITATIONS
1	Dissecting the Tumor Myeloid Compartment Reveals Rare Activating Antigen-Presenting Cells Critical for T Cell Immunity. <i>Cancer Cell</i> , 2014, 26, 638-652.	16.8	911
2	Single-Cell Transcriptomic Analysis of Human Lung Provides Insights into the Pathobiology of Pulmonary Fibrosis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019, 199, 1517-1536.	5.6	866
3	Innate Immunity and Asthma Risk in Amish and Hutterite Farm Children. <i>New England Journal of Medicine</i> , 2016, 375, 411-421.	27.0	745
4	Absence of B7-dependent responses in CD28-deficient mice. <i>Immunity</i> , 1994, 1, 501-508.	14.3	359
5	Transcription factor IRF4 drives dendritic cells to promote Th2 differentiation. <i>Nature Communications</i> , 2013, 4, 2990.	12.8	328
6	ERM-Dependent Movement of CD43 Defines a Novel Protein Complex Distal to the Immunological Synapse. <i>Immunity</i> , 2001, 15, 739-750.	14.3	239
7	The Complexities of T-Cell Co-stimulation: CD28 and Beyond. <i>Immunological Reviews</i> , 1996, 153, 155-182.	6.0	142
8	Dynamic migration of β 2-microglobulin ⁺ intraepithelial lymphocytes requires occludin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 7097-7102.	7.1	142
9	CD43 is a murine T cell costimulatory receptor that functions independently of CD28. <i>Journal of Experimental Medicine</i> , 1995, 182, 139-146.	8.5	139
10	DNA methylation in lung cells is associated with asthma endotypes and genetic risk. <i>JCI Insight</i> , 2016, 1, e90151.	5.0	133
11	Modeling human adaptive immune responses with tonsil organoids. <i>Nature Medicine</i> , 2021, 27, 125-135.	30.7	133
12	Corticosteroid therapy and airflow obstruction influence the bronchial microbiome, which is distinct from that of bronchoalveolar lavage in asthmatic airways. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 137, 1398-1405.e3.	2.9	128
13	Inducible Costimulator Regulates Th2-Mediated Inflammation, but Not Th2 Differentiation, in a Model of Allergic Airway Disease. <i>Journal of Immunology</i> , 2001, 167, 1996-2003.	0.8	116
14	β 2-microglobulin ⁺ Intraepithelial Lymphocyte Migration Limits Transepithelial Pathogen Invasion and Systemic Disease in Mice. <i>Gastroenterology</i> , 2015, 148, 1417-1426.	1.3	112
15	CTLA4Ig Inhibits Airway Eosinophilia and Hyperresponsiveness by Regulating the Development of Th1/Th2 Subsets in a Murine Model of Asthma. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 1998, 18, 453-462.	2.9	102
16	Associations between fungal and bacterial microbiota of airways and asthma endotypes. <i>Journal of Allergy and Clinical Immunology</i> , 2019, 144, 1214-1227.e7.	2.9	96
17	Ribp, a Novel Rlk/Txk- and Itk-Binding Adaptor Protein That Regulates T Cell Activation. <i>Journal of Experimental Medicine</i> , 1999, 190, 1657-1668.	8.5	93
18	Genome-Wide Methylation Study Identifies an IL-13-induced Epigenetic Signature in Asthmatic Airways. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016, 193, 376-385.	5.6	90

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19	Expression of Fas (CD95) and FasL (CD95L) in Human Airway Epithelium. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 1998, 19, 537-542.	2.9	86
20	The distal pole complex: a novel membrane domain distal to the immunological synapse. <i>Immunological Reviews</i> , 2002, 189, 111-122.	6.0	84
21	IL-33-dependent induction of allergic lung inflammation by FcÎ³RIII signaling. <i>Journal of Clinical Investigation</i> , 2013, 123, 2287-2297.	8.2	78
22	TCRgammadelta Cells: A Specialized T-Cell Subset in the Immune System. <i>Annual Review of Cell and Developmental Biology</i> , 1995, 11, 307-353.	9.4	74
23	Immune development and environment: lessons from Amish and Hutterite children. <i>Current Opinion in Immunology</i> , 2017, 48, 51-60.	5.5	74
24	TRAF4 Deficiency Leads to Tracheal Malformation with Resulting Alterations in Air Flow to the Lungs. <i>American Journal of Pathology</i> , 2000, 157, 679-688.	3.8	72
25	Repertoire Development and Ligand Specificity of Murine TCRgammadelta Cells. <i>Immunological Reviews</i> , 1991, 120, 5-33.	6.0	68
26	ICOS costimulation: it's not just for TH2 cells anymore. <i>Nature Immunology</i> , 2001, 2, 573-574.	14.5	68
27	Decreased Percentage of CD4+FoxP3+ Cells in Bronchoalveolar Lavage From Lung Transplant Recipients Correlates With Development of Bronchiolitis Obliterans Syndrome. <i>Transplantation</i> , 2010, 90, 540-546.	1.0	68
28	Fas-positive T cells regulate the resolution of airway inflammation in a murine model of asthma. <i>Journal of Experimental Medicine</i> , 2006, 203, 1173-1184.	8.5	66
29	Fibroblast-enriched endoplasmic reticulum protein TXNDC5 promotes pulmonary fibrosis by augmenting TGFÎ² signaling through TGFBR1 stabilization. <i>Nature Communications</i> , 2020, 11, 4254.	12.8	62
30	Signaling through FcÎ³RIII is required for optimal T helper type (Th)2 responses and Th2-mediated airway inflammation. <i>Journal of Experimental Medicine</i> , 2007, 204, 1875-1889.	8.5	61
31	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.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1993, 90, 11875-11879.	7.1	58
32	Role of lysophosphatidic acid receptor LPA2 in the development of allergic airway inflammation in a murine model of asthma. <i>Respiratory Research</i> , 2009, 10, 114.	3.6	57
33	NKG2D signaling on CD8+ T cells represses T-bet and rescues CD4-unhelped CD8+ T cell memory recall but not effector responses. <i>Nature Medicine</i> , 2012, 18, 422-428.	30.7	56
34	Signaling through FcÎ³-associated receptors on dendritic cells drives IL-33-dependent TH2-type responses. <i>Journal of Allergy and Clinical Immunology</i> , 2014, 134, 706-713.e8.	2.9	49
35	Improving the Quality and Reproducibility of Flow Cytometry in the Lung. An Official American Thoracic Society Workshop Report. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2019, 61, 150-161.	2.9	49
36	Cutting Edge: Polymorphisms in the <i>ICOS</i> Promoter Region Are Associated with Allergic Sensitization and Th2 Cytokine Production. <i>Journal of Immunology</i> , 2005, 175, 2061-2065.	0.8	45

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37	The clinical and immunologic features of pulmonary fibrosis in sarcoidosis. <i>Translational Research</i> , 2012, 160, 321-331.	5.0	45
38	Maternal asthma and microRNA regulation of soluble HLA-G in the airway. <i>Journal of Allergy and Clinical Immunology</i> , 2013, 131, 1496-1503.e4.	2.9	44
39	Corticosteroid-induced apoptosis in mouse airway epithelium: Effect in normal airways and after allergen-induced airway inflammation. <i>Journal of Allergy and Clinical Immunology</i> , 2003, 111, 360-366.	2.9	43
40	CD43 Modulates Severity and Onset of Experimental Autoimmune Encephalomyelitis. <i>Journal of Immunology</i> , 2003, 171, 6527-6533.	0.8	43
41	Lymphotoxin Is Required for Maintaining Physiological Levels of Serum IgE That Minimizes Th1-mediated Airway Inflammation. <i>Journal of Experimental Medicine</i> , 2003, 198, 1643-1652.	8.5	43
42	CD43 Regulation of T Cell Activation Is Not through Steric Inhibition of T Cell-APC Interactions but through an Intracellular Mechanism. <i>Journal of Experimental Medicine</i> , 2004, 199, 1277-1283.	8.5	42
43	Prognosticating Outcomes in Interstitial Lung Disease by Mediastinal Lymph Node Assessment. An Observational Cohort Study with Independent Validation. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019, 199, 747-759.	5.6	36
44	Temperature Trajectory Subphenotypes Correlate With Immune Responses in Patients With Sepsis. <i>Critical Care Medicine</i> , 2020, 48, 1645-1653.	0.9	35
45	The Contribution of Allergen-Specific IgG to the Development of Th2-Mediated Airway Inflammation. <i>Journal of Allergy</i> , 2012, 2012, 1-9.	0.7	33
46	Adjuvant-free nanofiber vaccine induces in situ lung dendritic cell activation and T _H 17 responses. <i>Science Advances</i> , 2020, 6, eaba0995.	10.3	33
47	Distinct T-helper cell responses to <i>Staphylococcus aureus</i> bacteremia reflect immunologic comorbidities and correlate with mortality. <i>Critical Care</i> , 2018, 22, 107.	5.8	31
48	Circulating Plasma Biomarkers of Survival in Antifibrotic-Treated Patients With Idiopathic Pulmonary Fibrosis. <i>Chest</i> , 2020, 158, 1526-1534.	0.8	31
49	Protection against <i>Staphylococcus aureus</i> bacteremia-induced mortality depends on ILC2s and eosinophils. <i>JCI Insight</i> , 2019, 4, .	5.0	31
50	Distinct dendritic cell subsets actively induce Th2 polarization. <i>Current Opinion in Immunology</i> , 2014, 31, 44-50.	5.5	30
51	Circulating Plasma Biomarkers of Progressive Interstitial Lung Disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 201, 250-253.	5.6	30
52	Skewed Lung CCR4 to CCR6 CD4+ T Cell Ratio in Idiopathic Pulmonary Fibrosis Is Associated with Pulmonary Function. <i>Frontiers in Immunology</i> , 2016, 7, 516.	4.8	29
53	Intrinsic functional defects of type 2 innate lymphoid cells impair innate allergic inflammation in promyelocytic leukemia zinc finger (PLZF)-deficient mice. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 137, 591-600.e1.	2.9	29
54	Circulating cytokines in sarcoidosis: Phenotype-specific alterations for fibrotic and non-fibrotic pulmonary disease. <i>Cytokine</i> , 2013, 61, 906-911.	3.2	28

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55	Asthma-associated genetic variants induce IL33 differential expression through an enhancer-blocking regulatory region. <i>Nature Communications</i> , 2021, 12, 6115.	12.8	28
56	Regulation of T:B cell interactions by the Inducible Costimulator molecule: Does ICOS induce disease?. <i>Clinical Immunology</i> , 2006, 121, 13-18.	3.2	27
57	Signaling through CD43 regulates CD4 T-cell trafficking. <i>Blood</i> , 2007, 110, 2974-2982.	1.4	25
58	CD43 interaction with ezrin-radixin-moesin (ERM) proteins regulates T-cell trafficking and CD43 phosphorylation. <i>Molecular Biology of the Cell</i> , 2011, 22, 954-963.	2.1	25
59	Autoreactive T and B Cells Induce the Development of Bronchus-Associated Lymphoid Tissue in the Lung. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2013, 48, 406-414.	2.9	25
60	ICOS Costimulation Expands Th2 Immunity by Augmenting Migration of Lymphocytes to Draining Lymph Nodes. <i>Journal of Immunology</i> , 2008, 181, 1019-1024.	0.8	24
61	ICOS protects against mortality from acute lung injury through activation of IL-5+ ILC2s. <i>Mucosal Immunology</i> , 2018, 11, 61-70.	6.0	23
62	T-cell phenotypes are associated with serum IgE levels in Amish and Hutterite children. <i>Journal of Allergy and Clinical Immunology</i> , 2019, 144, 1391-1401.e10.	2.9	23
63	TCR β cells: Mysterious cells of the immune system. <i>Immunologic Research</i> , 1994, 13, 268-279.	2.9	22
64	Regulation of myofibroblast differentiation and bleomycin-induced pulmonary fibrosis by adrenomedullin. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2013, 304, L757-L764.	2.9	22
65	IL-33-mediated Eosinophilia Protects against Acute Lung Injury. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2021, 64, 569-578.	2.9	22
66	CD4 α ⁺ , CD8 α ⁺ β γ cells from normal mice respond to a syngeneic B cell lymphoma and can induce its differentiation. <i>International Immunology</i> , 1989, 1, 434-441.	4.0	21
67	Protective Effector Memory CD4 T Cells Depend on ICOS for Survival. <i>PLoS ONE</i> , 2011, 6, e16529.	2.5	21
68	Antigen stimulation of TH2 cells augments acute bacterial sinusitis in mice. <i>Journal of Allergy and Clinical Immunology</i> , 2004, 114, 328-334.	2.9	20
69	CD43 Regulates Th2 Differentiation and Inflammation. <i>Journal of Immunology</i> , 2008, 180, 7385-7393.	0.8	19
70	CD28 and ICOS play complementary non-overlapping roles in the development of Th2 immunity in vivo. <i>Cellular Immunology</i> , 2009, 259, 177-184.	3.0	18
71	Mapping Variation in Cellular and Transcriptional Response to 1,25-Dihydroxyvitamin D3 in Peripheral Blood Mononuclear Cells. <i>PLoS ONE</i> , 2016, 11, e0159779.	2.5	18
72	Regulation of Smad-Mediated Gene Transcription by RGS3. <i>Molecular Pharmacology</i> , 2008, 73, 1356-1361.	2.3	17

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73	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
74	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
75	Role of Type 1 T Helper Cells in the Resolution of Acute Streptococcus pneumoniae Sinusitis: A Mouse Model. Journal of Infectious Diseases, 2005, 192, 1237-1244.	4.0	16
76	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
77	Non-apoptotic Fas (CD95) Signaling on T Cells Regulates the Resolution of Th2-Mediated Inflammation. Frontiers in Immunology, 2018, 9, 2521.	4.8	16
78	Transcriptional programming and T cell receptor repertoires distinguish human lung and lymph node memory T cells. Communications Biology, 2019, 2, 411.	4.4	16
79	Characterization of Monoclonal Antibodies Specific for 14-kDa Human Group V Secretory Phospholipase A2 (hVPLA2). Hybridoma, 2000, 19, 171-176.	0.6	15
80	Evidence for an IL-6 "high asthma phenotype in asthmatic patients of African ancestry. Journal of Allergy and Clinical Immunology, 2019, 144, 304-306.e4.	2.9	15
81	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
82	PKC ζ Regulates T Cell Motility via Ezrin-Radixin-Moesin Localization to the Uropod. PLoS ONE, 2013, 8, e78940.	2.5	14
83	Elevated levels of soluble human leukocyte 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
84	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
85	A <i>Gata3</i> 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
86	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
87	Gata5 Deficiency Causes Airway Constrictor Hyperresponsiveness in Mice. American Journal of Respiratory Cell and Molecular Biology, 2014, 50, 787-795.	2.9	11
88	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
89	A series of COVID-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
90	IL-33 Drives Monocyte Recruitment to Lung Interstitium through Chemokine Upregulation. ImmunoHorizons, 2017, 1, 101-108.	1.8	9

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91	Ezrin Is Highly Expressed in Early Thymocytes, but Dispensable for T Cell Development in Mice. <i>PLoS ONE</i> , 2010, 5, e12404.	2.5	8
92	DNA-Directed Assembly of Antibody-Fluorophore Conjugates for Quantitative Multiparametric Flow Cytometry. <i>ChemBioChem</i> , 2014, 15, 267-275.	2.6	8
93	Effects of an Fc γ RIIA polymorphism on leukocyte gene expression and cytokine responses to anti-CD3 and anti-CD28 antibodies. <i>Genes and Immunity</i> , 2019, 20, 462-472.	4.1	8
94	Pro-lymphangiogenic VEGFR-3 signaling modulates memory T cell responses in allergic airway inflammation. <i>Mucosal Immunology</i> , 2021, 14, 144-151.	6.0	8
95	The first line of defence?. <i>Current Biology</i> , 1993, 3, 294-296.	3.9	7
96	Quantitation of secretory group V phospholipase A2 in human tissues by sandwich enzyme-linked immunosorbent assay. <i>Journal of Immunological Methods</i> , 2002, 262, 41-51.	1.4	7
97	T cell Co-Stimulatory molecules ICOS and CD28 stratify idiopathic pulmonary fibrosis survival. <i>Respiratory Medicine</i> , 2019, 1, 100002.	1.4	7
98	ICOS-Expressing Lymphocytes Promote Resolution of CD8-Mediated Lung Injury in a Mouse Model of Lung Rejection. <i>PLoS ONE</i> , 2013, 8, e72955.	2.5	6
99	SARS-CoV-2 Infection Is Associated with Reduced Kr β 1-like Factor 2 in Human Lung Autopsy. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2021, 65, 222-226.	2.9	5
100	Gene-environment interactions in a mutant mouse kindred with native airway constrictor hyperresponsiveness. <i>Mammalian Genome</i> , 2008, 19, 2-14.	2.2	3
101	Advancing Lung Immunology Research: An Official American Thoracic Society Workshop Report. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2022, 67, e1-18.	2.9	3
102	Allergen Exposure in Lymphopenic Fas-Deficient Mice Results in Persistent Eosinophilia Due to Defects in Resolution of Inflammation. <i>Frontiers in Immunology</i> , 2018, 9, 2395.	4.8	1
103	T-cell costimulation blockade in immunologic diseases: role of CD28 family members. <i>Expert Review of Clinical Immunology</i> , 2007, 3, 383-393.	3.0	0
104	578 Tight Junction Protein Expression by β 1 IELs Regulates Gastrointestinal Lymphocyte-Epithelial Interactions. <i>Gastroenterology</i> , 2010, 138, S-82.	1.3	0
105	Editorial overview: Allergy and hypersensitivity. <i>Current Opinion in Immunology</i> , 2014, 31, ix-xi.	5.5	0
106	Reply to Lescoat et al. and to Khamis et al.. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019, 199, 1041-1042.	5.6	0
107	ICOS costimulation regulates the development of effector memory CD4 T cells. <i>FASEB Journal</i> , 2008, 22, 846.9.	0.5	0
108	Tight junction protein expression by β 1 intraepithelial lymphocytes (IELs) regulates interactions between lymphocytes and epithelial cells. <i>FASEB Journal</i> , 2010, 24, .	0.5	0

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109	Occludin regulates β 1 intraepithelial lymphocyte migration in vivo. FASEB Journal, 2011, 25, 1121.2.	0.5	0