

# Federica Sallusto

## List of Publications by Year in descending order

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103  
papers

36,557  
citations

14655

66  
h-index

33894

99  
g-index

111  
all docs

111  
docs citations

111  
times ranked

40976  
citing authors

#	ARTICLE	IF	CITATIONS
1	Two subsets of memory T lymphocytes with distinct homing potentials and effector functions. <i>Nature</i> , 1999, 401, 708-712.	27.8	5,333
2	Surface phenotype and antigenic specificity of human interleukin 17 <sup>+</sup> producing T helper memory cells. <i>Nature Immunology</i> , 2007, 8, 639-646.	14.5	1,670
3	Interleukins 1 <sup>β</sup> and 6 but not transforming growth factor- $\beta$ are essential for the differentiation of interleukin 17 <sup>+</sup> producing human T helper cells. <i>Nature Immunology</i> , 2007, 8, 942-949.	14.5	1,660
4	Flexible Programs of Chemokine Receptor Expression on Human Polarized T Helper 1 and 2 Lymphocytes. <i>Journal of Experimental Medicine</i> , 1998, 187, 875-883.	8.5	1,488
5	Follicular B Helper T Cells Express Cxc Chemokine Receptor 5, Localize to B Cell Follicles, and Support Immunoglobulin Production. <i>Journal of Experimental Medicine</i> , 2000, 192, 1545-1552.	8.5	1,284
6	Mapping Neutralizing and Immunodominant Sites on the SARS-CoV-2 Spike Receptor-Binding Domain by Structure-Guided High-Resolution Serology. <i>Cell</i> , 2020, 183, 1024-1042.e21.	28.9	1,195
7	A Neutralizing Antibody Selected from Plasma Cells That Binds to Group 1 and Group 2 Influenza A Hemagglutinins. <i>Science</i> , 2011, 333, 850-856.	12.6	1,092
8	L-Arginine Modulates T Cell Metabolism and Enhances Survival and Anti-tumor Activity. <i>Cell</i> , 2016, 167, 829-842.e13.	28.9	1,077
9	C-C chemokine receptor 6 <sup>+</sup> regulated entry of TH-17 cells into the CNS through the choroid plexus is required for the initiation of EAE. <i>Nature Immunology</i> , 2009, 10, 514-523.	14.5	1,030
10	Kinetics of dendritic cell activation: impact on priming of TH1, TH2 and nonpolarized T cells. <i>Nature Immunology</i> , 2000, 1, 311-316.	14.5	1,023
11	Rapid and coordinated switch in chemokine receptor expression during dendritic cell maturation. <i>European Journal of Immunology</i> , 1998, 28, 2760-2769.	2.9	1,020
12	Selective Expression of the Eotaxin Receptor CCR3 by Human T Helper 2 Cells. <i>Science</i> , 1997, 277, 2005-2007.	12.6	1,011
13	The Role of Chemokine Receptors in Primary, Effector, and Memory Immune Responses. <i>Annual Review of Immunology</i> , 2000, 18, 593-620.	21.8	969
14	Production of interleukin 22 but not interleukin 17 by a subset of human skin-homing memory T cells. <i>Nature Immunology</i> , 2009, 10, 857-863.	14.5	962
15	Pathogen-induced human TH17 cells produce IFN- $\gamma$ or IL-10 and are regulated by IL-1 <sup>β</sup> . <i>Nature</i> , 2012, 484, 514-518.	27.8	835
16	The who's who of T cell differentiation: Human memory T cell subsets. <i>European Journal of Immunology</i> , 2013, 43, 2797-2809.	2.9	785
17	Dynamics of T Lymphocyte Responses: Intermediates, Effectors, and Memory Cells. <i>Science</i> , 2000, 290, 92-97.	12.6	716
18	Specificity, cross-reactivity, and function of antibodies elicited by Zika virus infection. <i>Science</i> , 2016, 353, 823-826.	12.6	675

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19	Distinct patterns and kinetics of chemokine production regulate dendritic cell function. <i>European Journal of Immunology</i> , 1999, 29, 1617-1625.	2.9	588
20	Circulating SARS-CoV-2 spike N439K variants maintain fitness while evading antibody-mediated immunity. <i>Cell</i> , 2021, 184, 1171-1187.e20.	28.9	541
21	The Human Immune Response to Dengue Virus Is Dominated by Highly Cross-Reactive Antibodies Endowed with Neutralizing and Enhancing Activity. <i>Cell Host and Microbe</i> , 2010, 8, 271-283.	11.0	526
22	From Vaccines to Memory and Back. <i>Immunity</i> , 2010, 33, 451-463.	14.3	523
23	Progressive differentiation and selection of the fittest in the immune response. <i>Nature Reviews Immunology</i> , 2002, 2, 982-987.	22.7	445
24	The immunology and immunopathology of COVID-19. <i>Science</i> , 2022, 375, 1122-1127.	12.6	434
25	T cell fitness determined by signal strength. <i>Nature Immunology</i> , 2003, 4, 355-360.	14.5	430
26	Functionally distinct subsets of human FOXP3+ Treg cells that phenotypically mirror effector Th cells. <i>Blood</i> , 2012, 119, 4430-4440.	1.4	389
27	Impairment of immunity to <i>Candida</i> and <i>Mycobacterium</i> in humans with bi-allelic <i>RORC</i> mutations. <i>Science</i> , 2015, 349, 606-613.	12.6	366
28	Narcolepsy " clinical spectrum, aetiopathophysiology, diagnosis and treatment. <i>Nature Reviews Neurology</i> , 2019, 15, 519-539.	10.1	364
29	Induction of Potent Neutralizing Antibody Responses by a Designed Protein Nanoparticle Vaccine for Respiratory Syncytial Virus. <i>Cell</i> , 2019, 176, 1420-1431.e17.	28.9	339
30	Memory and flexibility of cytokine gene expression as separable properties of human TH1 and TH2 lymphocytes. <i>Nature Immunology</i> , 2003, 4, 78-86.	14.5	328
31	Heterogeneity of CD4 <sup>+</sup> memory T cells: Functional modules for tailored immunity. <i>European Journal of Immunology</i> , 2009, 39, 2076-2082.	2.9	316
32	Functional heterogeneity of human memory CD4 <sup>+</sup> T cell clones primed by pathogens or vaccines. <i>Science</i> , 2015, 347, 400-406.	12.6	309
33	Chemokines and leukocyte traffic. <i>Nature Immunology</i> , 2008, 9, 949-952.	14.5	302
34	Rapid development of broadly influenza neutralizing antibodies through redundant mutations. <i>Nature</i> , 2014, 516, 418-422.	27.8	300
35	Social network architecture of human immune cells unveiled by quantitative proteomics. <i>Nature Immunology</i> , 2017, 18, 583-593.	14.5	296
36	Heterogeneity of Human CD4 <sup>+</sup> T Cells Against Microbes. <i>Annual Review of Immunology</i> , 2016, 34, 317-334.	21.8	290

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37	Cholera toxin induces maturation of human dendritic cells and licenses them for Th2 priming. <i>European Journal of Immunology</i> , 2000, 30, 2394-2403.	2.9	287
38	Chemokine Receptor Expression Identifies Pre-TH1, Pre-TH2, and Nonpolarized Cells among Human CD4+ Central Memory T Cells. <i>Journal of Experimental Medicine</i> , 2004, 200, 725-735.	8.5	273
39	Broad betacoronavirus neutralization by a stem helix-specific human antibody. <i>Science</i> , 2021, 373, 1109-1116.	12.6	262
40	Memory T Cells in Latent Mycobacterium tuberculosis Infection Are Directed against Three Antigenic Islands and Largely Contained in a CXCR3+CCR6+ Th1 Subset. <i>PLoS Pathogens</i> , 2013, 9, e1003130.	4.7	258
41	T cells in patients with narcolepsy target self-antigens of hypocretin neurons. <i>Nature</i> , 2018, 562, 63-68.	27.8	244
42	Metabolic modulation of tumours with engineered bacteria for immunotherapy. <i>Nature</i> , 2021, 598, 662-666.	27.8	207
43	Guidelines for the use of flow cytometry and cell sorting in immunological studies (third edition). <i>European Journal of Immunology</i> , 2021, 51, 2708-3145.	2.9	198
44	Human naive and memory CD4+ T cell repertoires specific for naturally processed antigens analyzed using libraries of amplified T cells. <i>Journal of Experimental Medicine</i> , 2009, 206, 1525-1534.	8.5	196
45	Dendritic cells up-regulate immunoproteasomes and the proteasome regulator PA28 during maturation. <i>European Journal of Immunology</i> , 1999, 29, 4037-4042.	2.9	165
46	Cell trafficking in the central nervous system. <i>Immunological Reviews</i> , 2012, 248, 216-227.	6.0	157
47	Human Th17 subsets. <i>European Journal of Immunology</i> , 2012, 42, 2215-2220.	2.9	152
48	Human IFN- $\gamma$ immunity to mycobacteria is governed by both IL-12 and IL-23. <i>Science Immunology</i> , 2018, 3, .	11.9	152
49	IL-12 protects from psoriasiform skin inflammation. <i>Nature Communications</i> , 2016, 7, 13466.	12.8	151
50	The Skin Commensal Yeast <i>Malassezia</i> Triggers a Type 17 Response that Coordinates Anti-fungal Immunity and Exacerbates Skin Inflammation. <i>Cell Host and Microbe</i> , 2019, 25, 389-403.e6.	11.0	141
51	A LAIR1 insertion generates broadly reactive antibodies against malaria variant antigens. <i>Nature</i> , 2016, 529, 105-109.	27.8	140
52	Dynamics in protein translation sustaining T cell preparedness. <i>Nature Immunology</i> , 2020, 21, 927-937.	14.5	120
53	A Human Bi-specific Antibody against Zika Virus with High Therapeutic Potential. <i>Cell</i> , 2017, 171, 229-241.e15.	28.9	118
54	PPAR $\gamma$ in dendritic cells and T cells drives pathogenic type-2 effector responses in lung inflammation. <i>Journal of Experimental Medicine</i> , 2017, 214, 3015-3035.	8.5	114

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55	T cell priming by dendritic cells: thresholds for proliferation, differentiation and death and intraclonal functional diversification. <i>European Journal of Immunology</i> , 2002, 32, 2046.	2.9	109
56	Clonal analysis of immunodominance and cross-reactivity of the CD4 T cell response to SARS-CoV-2. <i>Science</i> , 2021, 372, 1336-1341.	12.6	108
57	Dissecting the human immunologic memory for pathogens. <i>Immunological Reviews</i> , 2011, 240, 40-51.	6.0	101
58	Chemoattractants and their receptors in homeostasis and inflammation. <i>Current Opinion in Immunology</i> , 2004, 16, 724-731.	5.5	98
59	Division of Labor with a Workforce of One: Challenges in Specifying Effector and Memory T Cell Fate. <i>Science</i> , 2007, 317, 622-625.	12.6	97
60	Disruption of an antimycobacterial circuit between dendritic and helper T cells in human SPPL2a deficiency. <i>Nature Immunology</i> , 2018, 19, 973-985.	14.5	96
61	Transcriptional signature of human pro-inflammatory TH17 cells identifies reduced IL10 gene expression in multiple sclerosis. <i>Nature Communications</i> , 2017, 8, 1600.	12.8	93
62	Public antibodies to malaria antigens generated by two LAIR1 insertion modalities. <i>Nature</i> , 2017, 548, 597-601.	27.8	91
63	Experimental priming of encephalitogenic Th1/Th17 cells requires pertussis toxin-driven IL-1 $\beta$ production by myeloid cells. <i>Nature Communications</i> , 2016, 7, 11541.	12.8	89
64	The challenges of primary biliary cholangitis: What is new and what needs to be done. <i>Journal of Autoimmunity</i> , 2019, 105, 102328.	6.5	86
65	ACE2-binding exposes the SARS-CoV-2 fusion peptide to broadly neutralizing coronavirus antibodies. <i>Science</i> , 2022, 377, 735-742.	12.6	85
66	Human T-bet Governs Innate and Innate-like Adaptive IFN- $\gamma$ Immunity against Mycobacteria. <i>Cell</i> , 2020, 183, 1826-1847.e31.	28.9	83
67	An immunoregulatory and tissue-residency program modulated by c-MAF in human TH17 cells. <i>Nature Immunology</i> , 2018, 19, 1126-1136.	14.5	77
68	Proteome-wide analysis of HIV-specific naive and memory CD4+ T cells in unexposed blood donors. <i>Journal of Experimental Medicine</i> , 2014, 211, 1273-1280.	8.5	76
69	Immunological consequences of intragenus conservation of <i>Mycobacterium tuberculosis</i> T-cell epitopes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E147-55.	7.1	69
70	Human CD4+ T cell subsets differ in their abilities to cross endothelial and epithelial brain barriers in vitro. <i>Fluids and Barriers of the CNS</i> , 2020, 17, 3.	5.0	64
71	Macrophage Death following Influenza Vaccination Initiates the Inflammatory Response that Promotes Dendritic Cell Function in the Draining Lymph Node. <i>Cell Reports</i> , 2017, 18, 2427-2440.	6.4	61
72	CCR6 is expressed on an IL-10-producing, autoreactive memory T cell population with context-dependent regulatory function. <i>Journal of Experimental Medicine</i> , 2010, 207, 565-577.	8.5	57

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73	Antigen-Specific Th17 Cells Are Primed by Distinct and Complementary Dendritic Cell Subsets in Oropharyngeal Candidiasis. <i>PLoS Pathogens</i> , 2015, 11, e1005164.	4.7	54
74	Activin-A co-opts IRF4 and AhR signaling to induce human regulatory T cells that restrain asthmatic responses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E2891-E2900.	7.1	52
75	Influenza Vaccination Induces NK-Cell-Mediated Type-II IFN Response that Regulates Humoral Immunity in an IL-6-Dependent Manner. <i>Cell Reports</i> , 2019, 26, 2307-2315.e5.	6.4	51
76	A single T cell epitope drives the neutralizing anti-drug antibody response to natalizumab in multiple sclerosis patients. <i>Nature Medicine</i> , 2019, 25, 1402-1407.	30.7	50
77	Do Memory CD4 T Cells Keep Their Cell-Type Programming: Plasticity versus Fate Commitment?. <i>Cold Spring Harbor Perspectives in Biology</i> , 2018, 10, a029421.	5.5	49
78	T-cell epitope conservation across allergen species is a major determinant of immunogenicity. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 138, 571-578.e7.	2.9	40
79	Role of B cells in TH cell responses in a mouse model of asthma. <i>Journal of Allergy and Clinical Immunology</i> , 2018, 141, 1395-1410.	2.9	39
80	Clonal structure, stability and dynamics of human memory B cells and circulating plasmablasts. <i>Nature Immunology</i> , 2022, 23, 1076-1085.	14.5	39
81	Frequent occurrence of T <sub>H</sub> cell-mediated late reactions revealed by atopy patch testing with hypoallergenic rBet v 1 fragments. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 137, 601-609.e8.	2.9	37
82	ERK phosphorylation and miR-181a expression modulate activation of human memory TH17 cells. <i>Nature Communications</i> , 2015, 6, 6431.	12.8	35
83	CXCR3 Identifies Human Naive CD8+ T Cells with Enhanced Effector Differentiation Potential. <i>Journal of Immunology</i> , 2019, 203, 3179-3189.	0.8	34
84	Deciphering and predicting CD4+ T cell immunodominance of influenza virus hemagglutinin. <i>Journal of Experimental Medicine</i> , 2020, 217, .	8.5	28
85	OMIP-18: Chemokine receptor expression on human T helper cells. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2013, 83A, 530-532.	1.5	27
86	High Th2 cytokine levels and upper airway inflammation in human inherited T-bet deficiency. <i>Journal of Experimental Medicine</i> , 2021, 218, .	8.5	25
87	Activin-A limits Th17 pathogenicity and autoimmune neuroinflammation via CD39 and CD73 ectonucleotidases and Hif1- $\alpha$ -dependent pathways. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 12269-12280.	7.1	21
88	Phenotype and specificity of T cells in primary human cytomegalovirus infection during pregnancy: IL-7Rpos long-term memory phenotype is associated with protection from vertical transmission. <i>PLoS ONE</i> , 2017, 12, e0187731.	2.5	21
89	Two subsets of memory T lymphocytes with distinct homing potentials and effector functions. <i>Nature</i> , 1999, 402, 34-38.	27.8	19
90	Epicutaneous allergen application preferentially boosts specific T cell responses in sensitized patients. <i>Scientific Reports</i> , 2017, 7, 11657.	3.3	19

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91	Molecular Signatures of Immunity and Immunogenicity in Infection and Vaccination. <i>Frontiers in Immunology</i> , 2017, 8, 1563.	4.8	18
92	Narcolepsy: a model interaction between immune system, nervous system, and sleep-wake regulation. <i>Seminars in Immunopathology</i> , 2022, 44, 611-623.	6.1	15
93	Broadly reactive human CD4 <sup>+</sup> T cells against Enterobacteriaceae are found in the naïve repertoire and are clonally expanded in the memory repertoire. <i>European Journal of Immunology</i> , 2021, 51, 648-661.	2.9	13
94	The Swiss Primary Hypersomnolence and Narcolepsy Cohort study (SPHYNCS): Study protocol for a prospective, multicentre cohort observational study. <i>Journal of Sleep Research</i> , 2021, 30, e13296.	3.2	12
95	A flavonoid sulfate antigen activates human $\hat{I}^2$ CD8+ Th2 lymphocytes in pollen allergy. <i>European Journal of Immunology</i> , 2000, 30, 964-968.	2.9	10
96	The many faces of CD4 T cells: Roles in immunity and disease. <i>Seminars in Immunology</i> , 2013, 25, 249-251.	5.6	10
97	Structural basis of malaria RIFIN binding by LILRB1-containing antibodies. <i>Nature</i> , 2021, 592, 639-643.	27.8	8
98	Altered CXCR4 dynamics at the cell membrane impairs directed cell migration in WHIM syndrome patients. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2119483119.	7.1	7
99	Rapid and coordinated switch in chemokine receptor expression during dendritic cell maturation. , 1998, 28, 2760.		2
100	Distinct patterns and kinetics of chemokine production regulate dendritic cell function. , 1999, 29, 1617.		2
101	Host response: Mice and humans in the bubble. <i>Nature Microbiology</i> , 2016, 1, 16105.	13.3	1
102	Editorial overview: Overview of the articles “ special section on human immunology. <i>Current Opinion in Immunology</i> , 2019, 59, vi.	5.5	0
103	Assessment of the TCR Repertoire of Human Circulating T Follicular Helper Cells. <i>Methods in Molecular Biology</i> , 2022, 2380, 149-163.	0.9	0