Federica Sallusto

List of Publications by Year in Descending Order

102 papers	28,601 citations	59 h-index	111 g-index
111 ext. papers	33,327 ext. citations	21.2 avg, IF	6.92 L-index

#	Paper	IF	Citations
102	Assessment of the TCR Repertoire of Human Circulating T Follicular Helper Cells. *Methods in Molecular Biology*, **2022**, 2380, 149-163	1.4	
101	The immunology and immunopathology of COVID-19.. *Science*, **2022**, 375, 1122-1127	33.3	38
100	Narcolepsy: a model interaction between immune system, nervous system, and sleep-wake regulation.. *Seminars in Immunopathology*, **2022**, 1	12	0
99	Altered CXCR4 dynamics at the cell membrane impairs directed cell migration in WHIM syndrome patients.. *Proceedings of the National Academy of Sciences of the United States of America*, **2022**, 119, e2119483119	11.5	0
98	Guidelines for the use of flow cytometry and cell sorting in immunological studies (third edition).. *European Journal of Immunology*, **2021**, 51, 2708-3145	6.1	12
97	Metabolic modulation of tumours with engineered bacteria for immunotherapy. *Nature*, **2021**, 598, 662-666	50.4	30
96	Structural basis of malaria RIFIN binding by LILRB1-containing antibodies. *Nature*, **2021**, 592, 639-643	50.4	5
95	Circulating SARS-CoV-2 spike N439K variants maintain fitness while evading antibody-mediated immunity. *Cell*, **2021**, 184, 1171-1187.e20	56.2	331
94	The Swiss Primary Hypersomnolence and Narcolepsy Cohort study (SPHYNCS): Study protocol for a prospective, multicentre cohort observational study. *Journal of Sleep Research*, **2021**, 30, e13296	5.8	3
93	Clonal analysis of immunodominance and cross-reactivity of the CD4 T cell response to SARS-CoV-2. *Science*, **2021**, 372, 1336-1341	33.3	33
92	High Th2 cytokine levels and upper airway inflammation in human inherited T-bet deficiency. *Journal of Experimental Medicine*, **2021**, 218,	16.6	7
91	Broadly reactive human CD4 T cells against Enterobacteriaceae are found in the naïve repertoire and are clonally expanded in the memory repertoire. *European Journal of Immunology*, **2021**, 51, 648-661	6.1	6
90	Broad betacoronavirus neutralization by a stem helix-specific human antibody. *Science*, **2021**, 373, 1109-1116	33.3	80
89	Human T-bet Governs Innate and Innate-like Adaptive IFN-γ Immunity against Mycobacteria. *Cell*, **2020**, 183, 1826-1847.e31	56.2	35
88	Activin-A limits Th17 pathogenicity and autoimmune neuroinflammation via CD39 and CD73 ectonucleotidases and Hif1-α dependent pathways. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 12269-12280	11.5	10
87	Dynamics in protein translation sustaining T cell preparedness. *Nature Immunology*, **2020**, 21, 927-937	19.1	41
86	Human CD4 T cell subsets differ in their abilities to cross endothelial and epithelial brain barriers in vitro. *Fluids and Barriers of the CNS*, **2020**, 17, 3	7	28

85	Mapping Neutralizing and Immunodominant Sites on the SARS-CoV-2 Spike Receptor-Binding Domain by Structure-Guided High-Resolution Serology. *Cell*, **2020**, 183, 1024-1042.e21	56.2	601
84	Deciphering and predicting CD4+ T cell immunodominance of influenza virus hemagglutinin. *Journal of Experimental Medicine*, **2020**, 217,	16.6	11
83	A single T cell epitope drives the neutralizing anti-drug antibody response to natalizumab in multiple sclerosis patients. *Nature Medicine*, **2019**, 25, 1402-1407	50.5	30
82	The challenges of primary biliary cholangitis: What is new and what needs to be done. *Journal of Autoimmunity*, **2019**, 105, 102328	15.5	45
81	The Skin Commensal Yeast Malassezia Triggers a Type 17 Response that Coordinates Anti-fungal Immunity and Exacerbates Skin Inflammation. *Cell Host and Microbe*, **2019**, 25, 389-403.e6	23.4	76
80	Induction of Potent Neutralizing Antibody Responses by a Designed Protein Nanoparticle Vaccine for Respiratory Syncytial Virus. *Cell*, **2019**, 176, 1420-1431.e17	56.2	190
79	Influenza Vaccination Induces NK-Cell-Mediated Type-II IFN Response that Regulates Humoral Immunity in an IL-6-Dependent Manner. *Cell Reports*, **2019**, 26, 2307-2315.e5	10.6	22
78	Narcolepsy - clinical spectrum, aetiopathophysiology, diagnosis and treatment. *Nature Reviews Neurology*, **2019**, 15, 519-539	15	169
77	CXCR3 Identifies Human Naive CD8 T Cells with Enhanced Effector Differentiation Potential. *Journal of Immunology*, **2019**, 203, 3179-3189	5.3	21
76	Do Memory CD4 T Cells Keep Their Cell-Type Programming: Plasticity versus Fate Commitment? T-Cell Heterogeneity, Plasticity, and Selection in Humans. *Cold Spring Harbor Perspectives in Biology*, **2018**, 10,	10.2	29
75	Role of B cells in T cell responses in a mouse model of asthma. *Journal of Allergy and Clinical Immunology*, **2018**, 141, 1395-1410	11.5	20
74	Disruption of an antimycobacterial circuit between dendritic and helper T cells in human SPPL2a deficiency. *Nature Immunology*, **2018**, 19, 973-985	19.1	67
73	Human IFN-□mmunity to mycobacteria is governed by both IL-12 and IL-23. *Science Immunology*, **2018**, 3,	28	83
72	T cells in patients with□narcolepsy target self-antigens of hypocretin neurons. *Nature*, **2018**, 562, 63-68	50.4	161
71	An immunoregulatory and tissue-residency program modulated by c-MAF in human T17 cells. *Nature Immunology*, **2018**, 19, 1126-1136	19.1	52
70	Macrophage Death following Influenza Vaccination Initiates the Inflammatory Response that Promotes Dendritic Cell Function in the Draining Lymph Node. *Cell Reports*, **2017**, 18, 2427-2440	10.6	33
69	Social network architecture of human immune cells unveiled by quantitative proteomics. *Nature Immunology*, **2017**, 18, 583-593	19.1	189
68	Activin-A co-opts IRF4 and AhR signaling to induce human regulatory T cells that restrain asthmatic responses. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, E2891-E2900	11.5	30

67	A Human Bi-specific Antibody against Zika Virus with High Therapeutic Potential. *Cell*, **2017**, 171, 229-241.e15	36.2	85
66	Public antibodies to malaria antigens generated by two LAIR1 insertion modalities. *Nature*, **2017**, 548, 597-601	50.4	66
65	Epicutaneous allergen application preferentially boosts specific T cell responses in sensitized patients. *Scientific Reports*, **2017**, 7, 11657	4.9	16
64	PPARγ in dendritic cells and T cells drives pathogenic type-2 effector responses in lung inflammation. *Journal of Experimental Medicine*, **2017**, 214, 3015-3035	16.6	75
63	Transcriptional signature of human pro-inflammatory T17 cells identifies reduced IL10 gene expression in multiple sclerosis. *Nature Communications*, **2017**, 8, 1600	17.4	62
62	Molecular Signatures of Immunity and Immunogenicity in Infection and Vaccination. *Frontiers in Immunology*, **2017**, 8, 1563	8.4	12
61	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. *PLoS ONE*, **2017**, 12, e0187731	3.7	12
60	IL-12 protects from psoriasiform skin inflammation. *Nature Communications*, **2016**, 7, 13466	17.4	118
59	Specificity, cross-reactivity, and function of antibodies elicited by Zika virus infection. *Science*, **2016**, 353, 823-6	33.3	528
58	L-Arginine Modulates T Cell Metabolism and Enhances Survival and Anti-tumor Activity. *Cell*, **2016**, 167, 829-842.e13	56.2	631
57	Host response: Mice and humans in the bubble. *Nature Microbiology*, **2016**, 1, 16105	26.6	
56	Experimental priming of encephalitogenic Th1/Th17 cells requires pertussis toxin-driven IL-1β production by myeloid cells. *Nature Communications*, **2016**, 7, 11541	17.4	62
55	A LAIR1 insertion generates broadly reactive antibodies against malaria variant antigens. *Nature*, **2016**, 529, 105-109	50.4	105
54	Frequent occurrence of T cell-mediated late reactions revealed by atopy patch testing with hypoallergenic rBet v 1 fragments. *Journal of Allergy and Clinical Immunology*, **2016**, 137, 601-609.e8	11.5	32
53	T-cell epitope conservation across allergen species is a major determinant of immunogenicity. *Journal of Allergy and Clinical Immunology*, **2016**, 138, 571-578.e7	11.5	27
52	Heterogeneity of Human CD4(+) T Cells Against Microbes. *Annual Review of Immunology*, **2016**, 34, 317-34	34.7	200
51	Immunological consequences of intragenus conservation of Mycobacterium tuberculosis T-cell epitopes. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, E147-55	11.5	51
50	IMMUNODEFICIENCIES. Impairment of immunity to Candida and Mycobacterium in humans with bi-allelic RORC mutations. *Science*, **2015**, 349, 606-613	33.3	291

49	ERK phosphorylation and miR-181a expression modulate activation of human memory TH17 cells. *Nature Communications*, **2015**, 6, 6431	17.4	26
48	T cell immunity. Functional heterogeneity of human memory CD4+ T cell clones primed by pathogens or vaccines. *Science*, **2015**, 347, 400-6	33.3	233
47	Antigen-Specific Th17 Cells Are Primed by Distinct and Complementary Dendritic Cell Subsets in Oropharyngeal Candidiasis. *PLoS Pathogens*, **2015**, 11, e1005164	7.6	43
46	Rapid development of broadly influenza neutralizing antibodies through redundant mutations. *Nature*, **2014**, 516, 418-22	50.4	219
45	Proteome-wide analysis of HIV-specific naive and memory CD4(+) T cells in unexposed blood donors. *Journal of Experimental Medicine*, **2014**, 211, 1273-80	16.6	60
44	The who's who of T-cell differentiation: human memory T-cell subsets. *European Journal of Immunology*, **2013**, 43, 2797-809	6.1	499
43	OMIP-018: chemokine receptor expression on human T helper cells. *Cytometry Part A: the Journal of the International Society for Analytical Cytology*, **2013**, 83, 530-2	4.6	22
42	Memory T cells in latent Mycobacterium tuberculosis infection are directed against three antigenic islands and largely contained in a CXCR3+CCR6+ Th1 subset. *PLoS Pathogens*, **2013**, 9, e1003130	7.6	169
41	T-cell trafficking in the central nervous system. *Immunological Reviews*, **2012**, 248, 216-27	11.3	126
40	Pathogen-induced human TH17 cells produce IFN-γ or IL-10 and are regulated by IL-1β. *Nature*, **2012**, 484, 514-8	50.4	664
39	Human Th17 subsets. *European Journal of Immunology*, **2012**, 42, 2215-20	6.1	120
38	Functionally distinct subsets of human FOXP3+ Treg cells that phenotypically mirror effector Th cells. *Blood*, **2012**, 119, 4430-40	2.2	281
37	Dissecting the human immunologic memory for pathogens. *Immunological Reviews*, **2011**, 240, 40-51	11.3	87
36	A neutralizing antibody selected from plasma cells that binds to group 1 and group 2 influenza A hemagglutinins. *Science*, **2011**, 333, 850-6	33.3	891
35	CCR6 is expressed on an IL-10-producing, autoreactive memory T cell population with context-dependent regulatory function. *Journal of Experimental Medicine*, **2010**, 207, 565-77	16.6	50
34	The human immune response to Dengue virus is dominated by highly cross-reactive antibodies endowed with neutralizing and enhancing activity. *Cell Host and Microbe*, **2010**, 8, 271-83	23.4	434
33	From vaccines to memory and back. *Immunity*, **2010**, 33, 451-63	32.3	390
32	Human naive and memory CD4+ T cell repertoires specific for naturally processed antigens analyzed using libraries of amplified T cells. *Journal of Experimental Medicine*, **2009**, 206, 1525-34	16.6	171

31	Heterogeneity of CD4+ memory T cells: functional modules for tailored immunity. *European Journal of Immunology*, **2009**, 39, 2076-82	6.1	258
30	C-C chemokine receptor 6-regulated entry of TH-17 cells into the CNS through the choroid plexus is required for the initiation of EAE. *Nature Immunology*, **2009**, 10, 514-23	19.1	853
29	Production of interleukin 22 but not interleukin 17 by a subset of human skin-homing memory T cells. *Nature Immunology*, **2009**, 10, 857-63	19.1	821
28	Chemokines and leukocyte traffic. *Nature Immunology*, **2008**, 9, 949-52	19.1	243
27	Surface phenotype and antigenic specificity of human interleukin 17-producing T helper memory cells. *Nature Immunology*, **2007**, 8, 639-46	19.1	1437
26	Interleukins 1beta and 6 but not transforming growth factor-beta are essential for the differentiation of interleukin 17-producing human T helper cells. *Nature Immunology*, **2007**, 8, 942-9	19.1	1483
25	Division of labor with a workforce of one: challenges in specifying effector and memory T cell fate. *Science*, **2007**, 317, 622-5	33.3	85
24	Chemokine receptor expression identifies Pre-T helper (Th)1, Pre-Th2, and nonpolarized cells among human CD4+ central memory T cells. *Journal of Experimental Medicine*, **2004**, 200, 725-35	16.6	231
23	Chemoattractants and their receptors in homeostasis and inflammation. *Current Opinion in Immunology*, **2004**, 16, 724-31	7.8	93
22	Memory and flexibility of cytokine gene expression as separable properties of human T(H)1 and T(H)2 lymphocytes. *Nature Immunology*, **2003**, 4, 78-86	19.1	296
21	T cell fitness determined by signal strength. *Nature Immunology*, **2003**, 4, 355-60	19.1	396
20	T cell priming by dendritic cells: thresholds for proliferation, differentiation and death and intraclonal functional diversification. *European Journal of Immunology*, **2002**, 32, 2046-54	6.1	106
19	Progressive differentiation and selection of the fittest in the immune response. *Nature Reviews Immunology*, **2002**, 2, 982-7	36.5	405
18	Cholera toxin induces maturation of human dendritic cells and licences them for Th2 priming. *European Journal of Immunology*, **2000**, 30, 2394-403	6.1	261
17	A flavonoid sulfate antigen activates human alphabeta CD8+ Th2 lymphocytes in pollen allergy. *European Journal of Immunology*, **2000**, 30, 964-8	6.1	9
16	Kinetics of dendritic cell activation: impact on priming of TH1, TH2 and nonpolarized T cells. *Nature Immunology*, **2000**, 1, 311-6	19.1	959
15	Dynamics of T lymphocyte responses: intermediates, effectors, and memory cells. *Science*, **2000**, 290, 92-7	33.3	650
14	Follicular B helper T cells express CXC chemokine receptor 5, localize to B cell follicles, and support immunoglobulin production. *Journal of Experimental Medicine*, **2000**, 192, 1545-52	16.6	1067

13	The role of chemokine receptors in primary, effector, and memory immune responses. *Annual Review of Immunology*, **2000**, 18, 593-620	34.7	891
12	Two subsets of memory T lymphocytes with distinct homing potentials and effector functions. *Nature*, **1999**, 402, 34-38	50.4	16
11	Two subsets of memory T lymphocytes with distinct homing potentials and effector functions. *Nature*, **1999**, 401, 708-12	50.4	4728
10	Distinct patterns and kinetics of chemokine production regulate dendritic cell function. *European Journal of Immunology*, **1999**, 29, 1617-25	6.1	549
9	Dendritic cells up-regulate immunoproteasomes and the proteasome regulator PA28 during maturation. *European Journal of Immunology*, **1999**, 29, 4037-42	6.1	156
8	Distinct patterns and kinetics of chemokine production regulate dendritic cell function **1999**, 29, 1617		1
7	Rapid and coordinated switch in chemokine receptor expression during dendritic cell maturation. *European Journal of Immunology*, **1998**, 28, 2760-9	6.1	949
6	Flexible programs of chemokine receptor expression on human polarized T helper 1 and 2 lymphocytes. *Journal of Experimental Medicine*, **1998**, 187, 875-83	16.6	1360
5	Rapid and coordinated switch in chemokine receptor expression during dendritic cell maturation **1998**, 28, 2760		2
4	Selective expression of the eotaxin receptor CCR3 by human T helper 2 cells. *Science*, **1997**, 277, 2005-7	33.3	916
3	Human T-bet governs innate and innate-like adaptive IFN-γ immunity against mycobacteria		2
2	A human antibody that broadly neutralizes betacoronaviruses protects against SARS-CoV-2 by blocking the fusion machinery		13
1	ACE2 engagement exposes the fusion peptide to pan-coronavirus neutralizing antibodies		3