Lorenzo Cosmi

List of Publications by Citations

83 papers	6,775 citations	36 h-index	82 g-index
89 ext. papers	8,214 ext. citations	7.2 avg, IF	5.15 L-index

#	Paper	IF	Citations
83	Phenotypic and functional features of human Th17 cells. *Journal of Experimental Medicine*, **2007**, 204, 1849-61	16.6	1476
82	Human interleukin 17-producing cells originate from a CD161+CD4+ T cell precursor. *Journal of Experimental Medicine*, **2008**, 205, 1903-16	16.6	569
81	Guidelines for the use of flow cytometry and cell sorting in immunological studies (second edition). *European Journal of Immunology*, **2019**, 49, 1457-1973	6.1	485
80	Guidelines for the use of flow cytometry and cell sorting in immunological studies. *European Journal of Immunology*, **2017**, 47, 1584-1797	6.1	359
79	Impaired immune cell cytotoxicity in severe COVID-19 is IL-6 dependent. *Journal of Clinical Investigation*, **2020**, 130, 4694-4703	15.9	261
78	CRTH2 is the most reliable marker for the detection of circulating human type 2 Th and type 2 T cytotoxic cells in health and disease. *European Journal of Immunology*, **2000**, 30, 2972-9	6.1	244
77	Th17 cells: new players in asthma pathogenesis. *Allergy: European Journal of Allergy and Clinical Immunology*, **2011**, 66, 989-98	9.3	232
76	Identification of a novel subset of human circulating memory CD4(+) T cells that produce both IL-17A and IL-4. *Journal of Allergy and Clinical Immunology*, **2010**, 125, 222-30.e1-4	11.5	228
75	CD14+CD34low cells with stem cell phenotypic and functional features are the major source of circulating endothelial progenitors. *Circulation Research*, **2005**, 97, 314-22	15.7	218
74	T helper cells plasticity in inflammation. *Cytometry Part A: the Journal of the International Society for Analytical Cytology*, **2014**, 85, 36-42	4.6	162
73	Evidence of the transient nature of the Th17 phenotype of CD4+CD161+ T cells in the synovial fluid of patients with juvenile idiopathic arthritis. *Arthritis and Rheumatism*, **2011**, 63, 2504-15		160
72	Th2 cells are less susceptible than Th1 cells to the suppressive activity of CD25+ regulatory thymocytes because of their responsiveness to different cytokines. *Blood*, **2004**, 103, 3117-21	2.2	149
71	Assessment of chemokine receptor expression by human Th1 and Th2 cells in vitro and in vivo. *Journal of Leukocyte Biology*, **1999**, 65, 691-9	6.5	145
70	Sublingual immunotherapy with Dermatophagoides monomeric allergoid down-regulates allergen-specific immunoglobulin E and increases both interferon-gamma- and interleukin-10-production. *Clinical and Experimental Allergy*, **2006**, 36, 261-72	4.1	142
69	Defining the human T helper 17 cell phenotype. *Trends in Immunology*, **2012**, 33, 505-12	14.4	115
68	Interferon-inducible protein 10, monokine induced by interferon gamma, and interferon-inducible T-cell alpha chemoattractant are produced by thymic epithelial cells and attract T-cell receptor (TCR) alphabeta+ CD8+ single-positive T cells, TCRgammadelta+ T cells, and natural killer-type cells in human thymus. *Blood*, **2001**, 97, 601-7	2.2	98
67	Macrophage-derived chemokine production by activated human T cells in vitro and in vivo: preferential association with the production of type 2 cytokines. *European Journal of Immunology*, **2000**, 30, 204-10	6.1	97

66	Rarity of human T helper 17 cells is due to retinoic acid orphan receptor-dependent mechanisms that limit their expansion. *Immunity*, **2012**, 36, 201-14	32.3	93
65	Distinctive features of classic and nonclassic (Th17 derived) human Th1 cells. *European Journal of Immunology*, **2012**, 42, 3180-8	6.1	87
64	Enhanced HIV expression during Th2-oriented responses explained by the opposite regulatory effect of IL-4 and IFN-gamma of fusin/CXCR4. *European Journal of Immunology*, **1998**, 28, 3280-90	6.1	65
63	IP-10 and Mig production by glomerular cells in human proliferative glomerulonephritis and regulation by nitric oxide. *Journal of the American Society of Nephrology: JASN*, **2002**, 13, 53-64	12.7	63
62	Human circulating group 2 innate lymphoid cells can express CD154 and promote IgE production. *Journal of Allergy and Clinical Immunology*, **2017**, 139, 964-976.e4	11.5	61
61	Th17 and non-classic Th1 cells in chronic inflammatory disorders: two sides of the same coin. *International Archives of Allergy and Immunology*, **2014**, 164, 171-7	3.7	61
60	Human immature myeloid dendritic cells trigger a TH2-polarizing program via Jagged-1/Notch interaction. *Journal of Allergy and Clinical Immunology*, **2008**, 121, 1000-5.e8	11.5	61
59	First-dose mRNA vaccination is sufficient to reactivate immunological memory to SARS-CoV-2 in subjects who have recovered from COVID-19. *Journal of Clinical Investigation*, **2021**, 131,	15.9	60
58	Inflammatory response in human skeletal muscle cells: CXCL10 as a potential therapeutic target. *European Journal of Cell Biology*, **2012**, 91, 139-49	6.1	59
57	Demethylation of the RORC2 and IL17A in human CD4+ T lymphocytes defines Th17 origin of nonclassic Th1 cells. *Journal of Immunology*, **2015**, 194, 3116-26	5.3	54
56	Elocalcitol inhibits inflammatory responses in human thyroid cells and T cells. *Endocrinology*, **2008**, 149, 3626-34	4.8	53
55	Methimazole inhibits CXC chemokine ligand 10 secretion in human thyrocytes. *Journal of Endocrinology*, **2007**, 195, 145-55	4.7	47
54	Th17 regulating lower airway disease. *Current Opinion in Allergy and Clinical Immunology*, **2016**, 16, 1-6	3.3	47
53	Mesenchymal stem cells are enriched in head neck squamous cell carcinoma, correlates with tumour size and inhibit T-cell proliferation. *British Journal of Cancer*, **2015**, 112, 745-54	8.7	43
52	Quantitative and qualitative alterations of circulating myeloid cells and plasmacytoid DC in SARS-CoV-2 infection. *Immunology*, **2020**, 161, 345-353	7.8	42
51	Th17 plasticity: pathophysiology and treatment of chronic inflammatory disorders. *Current Opinion in Pharmacology*, **2014**, 17, 12-6	5.1	41
50	Brief report: etanercept inhibits the tumor necrosis factor □driven shift of Th17 lymphocytes toward a nonclassic Th1 phenotype in juvenile idiopathic arthritis. *Arthritis and Rheumatology*, **2014**, 66, 1372-7	9.5	38
49	Reversal of human allergen-specific CRTH2+ T(H)2 cells by IL-12 or the PS-DSP30 oligodeoxynucleotide. *Journal of Allergy and Clinical Immunology*, **2001**, 108, 815-21	11.5	38

48	Metabolomic/lipidomic profiling of COVID-19 and individual response to tocilizumab. *PLoS Pathogens*, **2021**, 17, e1009243	7.6	36
47	Cell-mediated and humoral adaptive immune responses to SARS-CoV-2 are lower in asymptomatic than symptomatic COVID-19 patients. *European Journal of Immunology*, **2020**, 50, 2013-2024	6.1	35
46	Eomes controls the development of Th17-derived (non-classic) Th1 cells during chronic inflammation. *European Journal of Immunology*, **2019**, 49, 79-95	6.1	34
45	Role of Type 2 Innate Lymphoid Cells in Allergic Diseases. *Current Allergy and Asthma Reports*, **2017**, 17, 66	5.6	34
44	Loss of methylation at the IFNG promoter and CNS-1 is associated with the development of functional IFN- memory in human CD4(+) T lymphocytes. *European Journal of Immunology*, **2013**, 43, 793-804	6.1	34
43	Main features of human T helper 17 cells. *Annals of the New York Academy of Sciences*, **2013**, 1284, 66-70	6.5	34
42	Prompt Predicting of Early Clinical Deterioration of Moderate-to-Severe COVID-19 Patients: Usefulness of a Combined Score Using IL-6 in a Preliminary Study. *Journal of Allergy and Clinical Immunology: in Practice*, **2020**, 8, 2575-2581.e2	5.4	33
41	Human Th1 dichotomy: origin, phenotype and biologic activities. *Immunology*, **2014**, 144, 343	7.8	30
40	Omalizumab dampens type 2 inflammation in a group of long-term treated asthma patients and detaches IgE from FcRI. *European Journal of Immunology*, **2018**, 48, 2005-2014	6.1	29
39	Immunomodulatory effects of BXL-01-0029, a less hypercalcemic vitamin D analogue, in human cardiomyocytes and T cells. *Experimental Cell Research*, **2009**, 315, 264-73	4.2	28
38	Immunosuppression in cardiac graft rejection: a human in vitro model to study the potential use of new immunomodulatory drugs. *Experimental Cell Research*, **2008**, 314, 1337-50	4.2	26
37	IL-4-induced gene 1 maintains high Tob1 expression that contributes to TCR unresponsiveness in human T helper 17 cells. *European Journal of Immunology*, **2014**, 44, 654-61	6.1	25
36	Biological and clinical significance of T helper 17 cell plasticity. *Immunology*, **2019**, 158, 287-295	7.8	22
35	Th17 and Th1 Lymphocytes in Oligoarticular Juvenile Idiopathic Arthritis. *Frontiers in Immunology*, **2019**, 10, 450	8.4	20
34	T cell subpopulations in juvenile idiopathic arthritis and their modifications after biotherapies. *Autoimmunity Reviews*, **2016**, 15, 1141-1144	13.6	15
33	Perianal Crohn's disease and hidradenitis suppurativa: a possible common immunological scenario. *Clinical and Molecular Allergy*, **2015**, 13, 12	3.7	15
32	Group 2 Innate Lymphoid Cells Are the Earliest Recruiters of Eosinophils in Lungs of Patients with Allergic Asthma. *American Journal of Respiratory and Critical Care Medicine*, **2017**, 196, 666-668	10.2	15
31	Musculin inhibits human T-helper 17 cell response to interleukin 2 by controlling STAT5B activity. *European Journal of Immunology*, **2017**, 47, 1427-1442	6.1	13

30	Th1-Induced CD106 Expression Mediates Leukocytes Adhesion on Synovial Fibroblasts from Juvenile Idiopathic Arthritis Patients. *PLoS ONE*, **2016**, 11, e0154422	3.7	13
29	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
28	Oral CorticoSteroid sparing with biologics in severe asthma: A remark of the (). *World Allergy Organization Journal*, **2020**, 13, 100464	5.2	11
27	Biologicals targeting type 2 immunity: Lessons learned from asthma, chronic urticaria and atopic dermatitis. *European Journal of Immunology*, **2019**, 49, 1334-1343	6.1	10
26	Heterogeneous magnitude of immunological memory to SARS-CoV-2 in recovered individuals. *Clinical and Translational Immunology*, **2021**, 10, e1281	6.8	9
25	Macrophage-derived chemokine production by activated human T cells in vitro and in vivo: preferential association with the production of type 2 cytokines **2000**, 30, 204		9
24	Th17 and Treg lymphocytes as cellular biomarkers of disease activity in Granulomatosis with Polyangiitis. *European Journal of Immunology*, **2017**, 47, 633-636	6.1	8
23	Chitinase 3-like-1 is produced by human Th17 cells and correlates with the level of inflammation in juvenile idiopathic arthritis patients. *Clinical and Molecular Allergy*, **2016**, 14, 16	3.7	8
22	Enhanced expression of the CXCR4 co-receptor in HIV-1-infected individuals correlates with the emergence of syncytia-inducing strains. *Cytokines, Cellular & Molecular Therapy*, **2000**, 6, 19-24		7
21	SARS-CoV-2 Spike-Specific CD4+ T Cell Response Is Conserved Against Variants of Concern, Including Omicron.. *Frontiers in Immunology*, **2022**, 13, 801431	8.4	6
20	Pulmonary vascular improvement in severe COVID-19 patients treated with tocilizumab. *Immunology Letters*, **2020**, 228, 122-128	4.1	6
19	The protease systems and their pathogenic role in juvenile idiopathic arthritis. *Autoimmunity Reviews*, **2019**, 18, 761-766	13.6	4
18	The intestinal expansion of TCR and disappearance of IL4 T cells suggest their involvement in the evolution from potential to overt celiac disease. *European Journal of Immunology*, **2019**, 49, 2222-2234	6.1	4
17	IL4I1 Is Expressed by Head-Neck Cancer-Derived Mesenchymal Stromal Cells and Contributes to Suppress T Cell Proliferation. *Journal of Clinical Medicine*, **2021**, 10,	5.1	4
16	Innate lymphoid cells type 2 in LTP-allergic patients and their modulation during sublingual immunotherapy. *Allergy: European Journal of Allergy and Clinical Immunology*, **2021**, 76, 2253-2256	9.3	4
15	SARS-CoV-2 infection and vaccination trigger long-lived B and CD4+ T lymphocytes: implications for booster strategies.. *Journal of Clinical Investigation*, **2022**,	15.9	3
14	Hallmarks of immune response in COVID-19: Exploring dysregulation and exhaustion. *Seminars in Immunology*, **2021**, 101508	10.7	3
13	Plasticity and regulatory mechanisms of human ILC2 functions. *Immunology Letters*, **2020**, 227, 109-116	4.1	3

12	First dose mRNA vaccination is sufficient to reactivate immunological memory to SARS-CoV-2 in ex COVID-19 subjects		3
11	T Cell Response Toward Tissue-and Epidermal-Transglutaminases in Coeliac Disease Patients Developing Dermatitis Herpetiformis. *Frontiers in Immunology*, **2021**, 12, 645143	8.4	3
10	The dual function of ILC2: From host protection to pathogenic players in type 2 asthma. *Molecular Aspects of Medicine*, **2021**, 80, 100981	16.7	3
9	Prevalence of allergy and asthma in a rural community of children and adults in Bolivian Chaco. *Immunology Letters*, **2019**, 215, 45-47	4.1	2
8	ARIA-ITALY multidisciplinary consensus on nasal polyposis and biological treatments. *World Allergy Organization Journal*, **2021**, 14, 100592	5.2	2
7	Th17 lymphocyte-dependent degradation of joint cartilage by synovial fibroblasts in a humanized mouse model of arthritis and reversal by secukinumab. *European Journal of Immunology*, **2021**, 51, 220-230	6.1	1
6	Macrophage-derived chemokine production by activated human T cells in vitro and in vivo: preferential association with the production of type 2 cytokines **2000**, 30, 204		1
5	Human T cells interacting with HNSCC-derived mesenchymal stromal cells acquire tissue-resident memory like properties. *European Journal of Immunology*, **2020**, 50, 1571-1579	6.1	1
4	Long-lasting cellular immunity to SARS-CoV-2 following infection or vaccination and implications for booster strategies		1
3	Human cell-based anti-inflammatory effects of rosiglitazone. *Journal of Endocrinological Investigation*, **2021**, 1	5.2	0
2	Management of patients with severe asthma: results from a survey among allergists and clinical immunologists of the Central Italy Inter-Regional Section of SIAAIC. *Clinical and Molecular Allergy*, **2021**, 19, 22	3.7	
1	Variants Disrupting CD40L Transmembrane Domain and Atypical X-Linked Hyper-IgM Syndrome: A Case Report With Leishmaniasis and Review of the Literature.. *Frontiers in Immunology*, **2022**, 13, 840767	8.4	