Lorenzo Cosmi

List of Publications by Year
in descending order

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84 papers	9,091 citations	61945 43 h-index	60583 81 g-index
89 all docs	89 docs citations	89 times ranked	14933 citing authors

#	Article	IF	Citations
1	Phenotypic and functional features of human Th17 cells. Journal of Experimental Medicine, 2007, 204, 1849-1861.	4.2	1,689
2	Guidelines for the use of flow cytometry and cell sorting in immunological studies (second edition). European Journal of Immunology, 2019, 49, 1457-1973.	1.6	766
3	Human interleukin 17â€“producing cells originate from a CD161+CD4+ T cell precursor. Journal of Experimental Medicine, 2008, 205, 1903-1916.	4.2	668
4	Guidelines for the use of flow cytometry and cell sorting in immunological studies[*]. European Journal of Immunology, 2017, 47, 1584-1797.	1.6	505
5	Impaired immune cell cytotoxicity in severe COVID-19 is IL-6 dependent. Journal of Clinical Investigation, 2020, 130, 4694-4703.	3.9	424
6	Th17 cells: new players in asthma pathogenesis. Allergy: European Journal of Allergy and Clinical Immunology, 2011, 66, 989-998.	2.7	276
7	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, 222-230.e4.	1.5	275
8	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, 2972-2979.	1.6	268
9	CD14+CD34lowCells With Stem Cell Phenotypic and Functional Features Are the Major Source of Circulating Endothelial Progenitors. Circulation Research, 2005, 97, 314-322.	2.0	245
10	T helper cells plasticity in inflammation. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2014, 85, 36-42.	1.1	224
11	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, 2504-2515.	6.7	213
12	Guidelines for the use of flow cytometry and cell sorting in immunological studies (third edition). European Journal of Immunology, 2021, 51, 2708-3145.	1.6	198
13	Assessment of chemokine receptor expression by human Th1 and Th2 cells in vitro and in vivo. Journal of Leukocyte Biology, 1999, 65, 691-699.	1.5	163
14	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, 261-272.	1.4	163
15	Defining the human T helper 17 cell phenotype. Trends in Immunology, 2012, 33, 505-512.	2.9	162
16	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, 3117-3121.	0.6	158
17	Distinctive features of classic and nonclassic (<scp>T</scp>h17 derived) human <scp>T</scp>h1 cells. European Journal of Immunology, 2012, 42, 3180-3188.	1.6	118
18	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, .	3.9	116

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19	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) Î±Î²+CD8+ single-positive T cells, TCRÎ³Î´+ T cells, and natural killerâ€“type cells in human thymus. Blood, 2001, 97, 601-607.	0.6	111
20	Macrophage-derived chemokine production by activated human T cellsin vitro andin vivo: preferential association with the production of type 2 cytokines. European Journal of Immunology, 2000, 30, 204-210.	1.6	104
21	Rarity of Human T Helper 17 Cells Is due to Retinoic Acid Orphan Receptor-Dependent Mechanisms that Limit Their Expansion. Immunity, 2012, 36, 201-214.	6.6	103
22	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.	3.0	91
23	Th17 and Non-Classic Th1 Cells in Chronic Inflammatory Disorders: Two Sides of the Same Coin. International Archives of Allergy and Immunology, 2014, 164, 171-177.	0.9	81
24	Demethylation of the RORC2 and IL17A in Human CD4+ T Lymphocytes Defines Th17 Origin of Nonclassic Th1 Cells. Journal of Immunology, 2015, 194, 3116-3126.	0.4	79
25	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.	1.5	77
26	Metabolomic/lipidomic profiling of COVID-19 and individual response to tocilizumab. PLoS Pathogens, 2021, 17, e1009243.	2.1	76
27	Enhanced HIV expression during Th2-oriented responses explained by the opposite regulatory effect of IL-4 and IFN-Î³ on fusin/CXCR4. European Journal of Immunology, 1998, 28, 3280-3290.	1.6	74
28	Inflammatory response in human skeletal muscle cells: CXCL10 as a potential therapeutic target. European Journal of Cell Biology, 2012, 91, 139-149.	1.6	71
29	Quantitative and qualitative alterations of circulating myeloid cells and plasmacytoid DC in SARSâ€CoVâ€2 infection. Immunology, 2020, 161, 345-353.	2.0	68
30	Human immature myeloid dendritic cells trigger a TH2-polarizing program via Jagged-1/Notch interaction. Journal of Allergy and Clinical Immunology, 2008, 121, 1000-1005.e8.	1.5	66
31	Th17 plasticity: pathophysiology and treatment of chronic inflammatory disorders. Current Opinion in Pharmacology, 2014, 17, 12-16.	1.7	64
32	Eomes controls the development of Th17â€derived (nonâ€classic) Th1 cells during chronic inflammation. European Journal of Immunology, 2019, 49, 79-95.	1.6	64
33	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, 745-754.	2.9	61
34	Elocalcitol Inhibits Inflammatory Responses in Human Thyroid Cells and T Cells. Endocrinology, 2008, 149, 3626-3634.	1.4	59
35	Brief Report: Etanercept Inhibits the Tumor Necrosis Factor Î±â€“Driven Shift of Th17 Lymphocytes Toward a Nonclassic Th1 Phenotype in Juvenile Idiopathic Arthritis. Arthritis and Rheumatology, 2014, 66, 1372-1377.	2.9	59
36	Th17 regulating lower airway disease. Current Opinion in Allergy and Clinical Immunology, 2016, 16, 1-6.	1.1	56

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37	Methimazole inhibits CXC chemokine ligand 10 secretion in human thyrocytes. Journal of Endocrinology, 2007, 195, 145-155.	1.2	54
38	Cellâ€mediated and humoral adaptive immune responses to SARSâ€CoVâ€2 are lower in asymptomatic than symptomatic COVIDâ€19 patients. European Journal of Immunology, 2020, 50, 2013-2024.	1.6	53
39	Main features of human T helper 17 cells. Annals of the New York Academy of Sciences, 2013, 1284, 66-70.	1.8	49
40	Role of Type 2 Innate Lymphoid Cells in Allergic Diseases. Current Allergy and Asthma Reports, 2017, 17, 66.	2.4	48
41	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.	2.0	48
42	Human T helper type 1 dichotomy: origin, phenotype and biological activities. Immunology, 2015, 144, 343-351.	2.0	47
43	Loss of methylation at the <scp>IFNG</scp> promoter and <scp>CNS</scp>â€1 is associated with the development of functional <scp>IFN</scp>â€Î³ memory in human <scp>CD</scp>4⁺<scp>T</scp> lymphocytes. European Journal of Immunology, 2013, 43, 793-804.	1.6	44
44	Biological and clinical significance of T helper 17 cell plasticity. Immunology, 2019, 158, 287-295.	2.0	43
45	Reversal of human allergen-specific CRTH2+ TH2 cells by IL-12 or the PS-DSP30 oligodeoxynucleotide. Journal of Allergy and Clinical Immunology, 2001, 108, 815-821.	1.5	42
46	Omalizumab dampens type 2 inflammation in a group of longâ€term treated asthma patients and detaches IgE from FcÎµRI. European Journal of Immunology, 2018, 48, 2005-2014.	1.6	40
47	Hallmarks of immune response in COVID-19: Exploring dysregulation and exhaustion. Seminars in Immunology, 2021, 55, 101508.	2.7	37
48	<scp>IL</scp>â€4â€induced gene 1 maintains high <scp>T</scp>ob1 expression that contributes to <scp>TCR</scp> unresponsiveness in human <scp>T</scp> helper 17 cells. European Journal of Immunology, 2014, 44, 654-661.	1.6	36
49	Th17 and Th1 Lymphocytes in Oligoarticular Juvenile Idiopathic Arthritis. Frontiers in Immunology, 2019, 10, 450.	2.2	34
50	Immunomodulatory effects of BXL-01-0029, a less hypercalcemic vitamin D analogue, in human cardiomyocytes and T cells. Experimental Cell Research, 2009, 315, 264-273.	1.2	32
51	Immunosuppression in cardiac graft rejection: A human in vitro model to study the potential use of new immunomodulatory drugs. Experimental Cell Research, 2008, 314, 1337-1350.	1.2	31
52	SARS-CoV-2 Spike-Specific CD4+ T Cell Response Is Conserved Against Variants of Concern, Including Omicron. Frontiers in Immunology, 2022, 13, 801431.	2.2	31
53	Oral CorticoSteroid sparing with biologics in severe asthma: A remark of the Severe Asthma Network in Italy (SANI). World Allergy Organization Journal, 2020, 13, 100464.	1.6	30
54	SARS-CoV-2 infection and vaccination trigger long-lived B and CD4+ T lymphocytes with implications for booster strategies. Journal of Clinical Investigation, 2022, 132, .	3.9	30

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55	From Emollients to Biologicals: Targeting Atopic Dermatitis. International Journal of Molecular Sciences, 2021, 22, 10381.	1.8	24
56	T cell subpopulations in juvenile idiopathic arthritis and their modifications after biotherapies. Autoimmunity Reviews, 2016, 15, 1141-1144.	2.5	23
57	Perianal Crohnâ€™s disease and hidradenitis suppurativa: a possible common immunological scenario. Clinical and Molecular Allergy, 2015, 13, 12.	0.8	21
58	Biologicals targeting type 2 immunity: Lessons learned from asthma, chronic urticaria and atopic dermatitis. European Journal of Immunology, 2019, 49, 1334-1343.	1.6	19
59	Heterogeneous magnitude of immunological memory to SARSâ€CoVâ€2 in recovered individuals. Clinical and Translational Immunology, 2021, 10, e1281.	1.7	19
60	Musculin inhibits human Tâ€helper 17 cell response to interleukin 2 by controlling STAT5B activity. European Journal of Immunology, 2017, 47, 1427-1442.	1.6	18
61	Th1-Induced CD106 Expression Mediates Leukocytes Adhesion on Synovial Fibroblasts from Juvenile Idiopathic Arthritis Patients. PLoS ONE, 2016, 11, e0154422.	1.1	18
62	Clinical and Immunological Features of SARS-CoV-2 Breakthrough Infections in Vaccinated Individuals Requiring Hospitalization. Journal of Clinical Immunology, 2022, 42, 1379-1391.	2.0	18
63	Group 2 Innate Lymphoid Cells: A Double-Edged Sword in Cancer?. Cancers, 2020, 12, 3452.	1.7	17
64	The dual function of ILC2: From host protection to pathogenic players in type 2 asthma. Molecular Aspects of Medicine, 2021, 80, 100981.	2.7	17
65	ARIA-ITALY multidisciplinary consensus on nasal polyposis and biological treatments. World Allergy Organization Journal, 2021, 14, 100592.	1.6	17
66	IL4I1 Is Expressed by Headâ€“Neck Cancer-Derived Mesenchymal Stromal Cells and Contributes to Suppress T Cell Proliferation. Journal of Clinical Medicine, 2021, 10, 2111.	1.0	16
67	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.	2.5	15
68	Pulmonary vascular improvement in severe COVID-19 patients treated with tocilizumab. Immunology Letters, 2020, 228, 122-128.	1.1	14
69	Th17 and Treg lymphocytes as cellular biomarkers of disease activity in Granulomatosis with Polyangiitis. European Journal of Immunology, 2017, 47, 633-636.	1.6	12
70	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.	0.8	10
71	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.	0.3	9
72	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

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73	The intestinal expansion of TCRÎ³Î´⁺ and disappearance of IL4⁺ TÂcells suggest their involvement in the evolution from potential to overt celiac disease. European Journal of Immunology, 2019, 49, 2222-2234.	1.6	8
74	Th17 lymphocyteâ€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.	1.6	8
75	Innate lymphoid cells type 2 in LTPâ€allergic patients and their modulation during sublingual immunotherapy. Allergy: European Journal of Allergy and Clinical Immunology, 2021, 76, 2253-2256.	2.7	8
76	Human T cells interacting with HNSCCâ€derived mesenchymal stromal cells acquire tissueâ€resident memory like properties. European Journal of Immunology, 2020, 50, 1571-1579.	1.6	8
77	T Cell Response Toward Tissue-and Epidermal-Transglutaminases in Coeliac Disease Patients Developing Dermatitis Herpetiformis. Frontiers in Immunology, 2021, 12, 645143.	2.2	7
78	Plasticity and regulatory mechanisms of human ILC2 functions. Immunology Letters, 2020, 227, 109-116.	1.1	6
79	Human cell-based anti-inflammatory effects of rosiglitazone. Journal of Endocrinological Investigation, 2022, 45, 105-114.	1.8	6
80	The protease systems and their pathogenic role in juvenile idiopathic arthritis. Autoimmunity Reviews, 2019, 18, 761-766.	2.5	4
81	Prevalence of allergy and asthma in a rural community of children and adults in Bolivian Chaco. Immunology Letters, 2019, 215, 45-47.	1.1	3
82	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, 204-210.	1.6	1
83	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.	0.8	1
84	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.	2.2	0