

Roberto Spreafico

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

52
papers

4,071
citations

28
h-index

53
g-index

53
ext. papers

5,622
ext. citations

15.2
avg, IF

5.54
L-index

#	Paper	IF	Citations
52	Cross-neutralization of SARS-CoV-2 by a human monoclonal SARS-CoV antibody. <i>Nature</i> , 2020 , 583, 290-294	39.4	1028
51	Circulating SARS-CoV-2 spike N439K variants maintain fitness while evading antibody-mediated immunity. <i>Cell</i> , 2021 , 184, 1171-1187.e20	56.2	331
50	Ultrapotent human antibodies protect against SARS-CoV-2 challenge via multiple mechanisms. <i>Science</i> , 2020 , 370, 950-957	33.3	314
49	A perspective on potential antibody-dependent enhancement of SARS-CoV-2. <i>Nature</i> , 2020 , 584, 353-363	30.4	289
48	Human caspase-4 and caspase-5 regulate the one-step non-canonical inflammasome activation in monocytes. <i>Nature Communications</i> , 2015 , 6, 8761	17.4	192
47	Type III interferons disrupt the lung epithelial barrier upon viral recognition. <i>Science</i> , 2020 , 369, 706-712	33.3	189
46	Exhaustion-associated regulatory regions in CD8 tumor-infiltrating T cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E2776-E2785	11.5	158
45	From Big Data to Precision Medicine. <i>Frontiers in Medicine</i> , 2019 , 6, 34	4.9	147
44	Cutting edge: the NLRP3 inflammasome links complement-mediated inflammation and IL-1 β release. <i>Journal of Immunology</i> , 2013 , 191, 1006-10	5.3	132
43	Antibody-Mediated Rejection in Lung Transplantation: Clinical Outcomes and Donor-Specific Antibody Characteristics. <i>American Journal of Transplantation</i> , 2016 , 16, 1216-28	8.7	81
42	The controversial relationship between NLRP3, alum, danger signals and the next-generation adjuvants. <i>European Journal of Immunology</i> , 2010 , 40, 638-42	6.1	73
41	The dual function monoclonal antibodies VIR-7831 and VIR-7832 demonstrate potent in vitro and in vivo activity against SARS-CoV-2		72
40	Ex vivo-expanded but not in vitro-induced human regulatory T cells are candidates for cell therapy in autoimmune diseases thanks to stable demethylation of the FOXP3 regulatory T cell-specific demethylated region. <i>Journal of Immunology</i> , 2015 , 194, 113-24	5.3	65
39	Uric acid-driven Th17 differentiation requires inflammasome-derived IL-1 and IL-18. <i>Journal of Immunology</i> , 2011 , 187, 5842-50	5.3	63
38	Endogenous oxidized phospholipids reprogram cellular metabolism and boost hyperinflammation. <i>Nature Immunology</i> , 2020 , 21, 42-53	19.1	57
37	IL-15 cis presentation is required for optimal NK cell activation in lipopolysaccharide-mediated inflammatory conditions. <i>Cell Reports</i> , 2013 , 4, 1235-49	10.6	53
36	The circulating SARS-CoV-2 spike variant N439K maintains fitness while evading antibody-mediated immunity		53

35	Increased autophagy in CD4 T cells of rheumatoid arthritis patients results in T-cell hyperactivation and apoptosis resistance. <i>European Journal of Immunology</i> , 2016 , 46, 2862-2870	6.1	50
34	PGRMC2 is an intracellular haem chaperone critical for adipocyte function. <i>Nature</i> , 2019 , 576, 138-142	50.4	44
33	Structural and functional analysis of a potent sarbecovirus neutralizing antibody 2020 ,		42
32	A circulating reservoir of pathogenic-like CD4+ T cells shares a genetic and phenotypic signature with the inflamed synovial micro-environment. <i>Annals of the Rheumatic Diseases</i> , 2016 , 75, 459-65	2.4	41
31	TCR repertoire sequencing identifies synovial Treg cell clonotypes in the bloodstream during active inflammation in human arthritis. <i>Annals of the Rheumatic Diseases</i> , 2017 , 76, 435-441	2.4	40
30	Discovery and characterization of 2-aminobenzimidazole derivatives as selective NOD1 inhibitors. <i>Chemistry and Biology</i> , 2011 , 18, 825-32		40
29	The interferon landscape along the respiratory tract impacts the severity of COVID-19. <i>Cell</i> , 2021 , 184, 4953-4968.e16	56.2	39
28	Opposing roles of Toll-like receptor and cytosolic DNA-STING signaling pathways for <i>Staphylococcus aureus</i> cutaneous host defense. <i>PLoS Pathogens</i> , 2017 , 13, e1006496	7.6	35
27	Similarities and differences of innate immune responses elicited by smooth and rough LPS. <i>Immunology Letters</i> , 2012 , 142, 41-7	4.1	35
26	Hydroxychloroquine preferentially induces apoptosis of CD45RO+ effector T cells by inhibiting autophagy: a possible mechanism for therapeutic modulation of T cells. <i>Journal of Allergy and Clinical Immunology</i> , 2013 , 131, 1443-6.e1	11.5	34
25	Early cytokine signatures of ischemia/reperfusion injury in human orthotopic liver transplantation. <i>JCI Insight</i> , 2016 , 1, e89679	9.9	29
24	Iterative Modeling Reveals Evidence of Sequential Transcriptional Control Mechanisms. <i>Cell Systems</i> , 2017 , 4, 330-343.e5	10.6	28
23	Loss of the BBSome perturbs endocytic trafficking and disrupts virulence of <i>Trypanosoma brucei</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 632-7	11.5	27
22	The histone variant H2A.Z promotes efficient cotranscriptional splicing in. <i>Genes and Development</i> , 2017 , 31, 702-717	12.6	26
21	ROP: dumpster diving in RNA-sequencing to find the source of 1 trillion reads across diverse adult human tissues. <i>Genome Biology</i> , 2018 , 19, 36	18.3	26
20	Prolonged contact with dendritic cells turns lymph node-resident NK cells into anti-tumor effectors. <i>EMBO Molecular Medicine</i> , 2016 , 8, 1039-51	12	22
19	Glyco-engineered anti-EGFR mAb elicits ADCC by NK cells from colorectal cancer patients irrespective of chemotherapy. <i>British Journal of Cancer</i> , 2014 , 110, 1221-7	8.7	20
18	NF-B dynamics determine the stimulus specificity of epigenomic reprogramming in macrophages. <i>Science</i> , 2021 , 372, 1349-1353	33.3	20

17	Dissecting the Regulatory Strategies of NF- κ B RelA Target Genes in the Inflammatory Response Reveals Differential Transactivation Logics. <i>Cell Reports</i> , 2020 , 30, 2758-2775.e6	10.6	19
16	Epipolymorphisms associated with the clinical outcome of autoimmune arthritis affect CD4+ T cell activation pathways. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 13845-13850	11.5	19
15	The Syk-NFAT-IL-2 Pathway in Dendritic Cells Is Required for Optimal Sterile Immunity Elicited by Alum Adjuvants. <i>Journal of Immunology</i> , 2017 , 198, 196-204	5.3	18
14	Targeting the NFAT:AP-1 transcriptional complex on DNA with a small-molecule inhibitor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 9959-9968	11.5	18
13	Human CD4+CD3- innate-like T cells provide a source of TNF and lymphotoxin- β and are elevated in rheumatoid arthritis. <i>Journal of Immunology</i> , 2013 , 191, 4611-8	5.3	16
12	Sequential conditioning-stimulation reveals distinct gene- and stimulus-specific effects of Type I and II IFN on human macrophage functions. <i>Scientific Reports</i> , 2019 , 9, 5288	4.9	15
11	A sensitive protocol for FOXP3 epigenetic analysis in scarce human samples. <i>European Journal of Immunology</i> , 2014 , 44, 3141-3	6.1	13
10	Profiling immunoglobulin repertoires across multiple human tissues using RNA sequencing. <i>Nature Communications</i> , 2020 , 11, 3126	17.4	12
9	Training the 21st Century Immunologist. <i>Trends in Immunology</i> , 2015 , 36, 283-5	14.4	10
8	Advances in Genomics for Drug Development. <i>Genes</i> , 2020 , 11,	4.2	9
7	Maturation signatures of conventional dendritic cell subtypes in COVID-19 suggest direct viral sensing. <i>European Journal of Immunology</i> , 2021 ,	6.1	9
6	An adjuvant strategy enabled by modulation of the physical properties of microbial ligands expands antigen immunogenicity.. <i>Cell</i> , 2022 , 185, 614-629.e21	56.2	7
5	Phased Diploid Genome Sequence for the Fast-Growing Microalga. <i>Microbiology Resource Announcements</i> , 2020 , 9,	1.3	4
4	Regulatory T-Cell Therapy in Transplantation and Severe Autoimmunity. <i>Critical Reviews in Immunology</i> , 2015 , 35, 479-503	1.8	3
3	NF κ B dynamics determine the stimulus-specificity of epigenomic reprogramming in macrophages		1
2	Comprehensive analysis of RNA-sequencing to find the source of 1 trillion reads across diverse adult human tissues		1
1	Detection of viral gene expression in risk-stratified biopsies reveals no active HPV in cutaneous squamous cell carcinoma. <i>Experimental Dermatology</i> , 2021 , 30, 1711-1716	4	1