

Roberto Spreafico

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

6,620
citations

172207

29
h-index

205818

48
g-index

53
all docs

53
docs citations

53
times ranked

14758
citing authors

#	ARTICLE	IF	CITATIONS
1	Cross-neutralization of SARS-CoV-2 by a human monoclonal SARS-CoV antibody. <i>Nature</i> , 2020, 583, 290-295.	13.7	1,695
2	Circulating SARS-CoV-2 spike N439K variants maintain fitness while evading antibody-mediated immunity. <i>Cell</i> , 2021, 184, 1171-1187.e20.	13.5	541
3	Ultrapotent human antibodies protect against SARS-CoV-2 challenge via multiple mechanisms. <i>Science</i> , 2020, 370, 950-957.	6.0	504
4	A perspective on potential antibody-dependent enhancement of SARS-CoV-2. <i>Nature</i> , 2020, 584, 353-363.	13.7	413
5	Type III interferons disrupt the lung epithelial barrier upon viral recognition. <i>Science</i> , 2020, 369, 706-712.	6.0	301
6	From Big Data to Precision Medicine. <i>Frontiers in Medicine</i> , 2019, 6, 34.	1.2	273
7	Human caspase-4 and caspase-5 regulate the one-step non-canonical inflammasome activation in monocytes. <i>Nature Communications</i> , 2015, 6, 8761.	5.8	271
8	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.	3.3	242
9	Cutting Edge: The NLRP3 Inflammasome Links Complement-Mediated Inflammation and IL-1 β Release. <i>Journal of Immunology</i> , 2013, 191, 1006-1010.	0.4	173
10	The interferon landscape along the respiratory tract impacts the severity of COVID-19. <i>Cell</i> , 2021, 184, 4953-4968.e16.	13.5	165
11	Antibody-Mediated Rejection in Lung Transplantation: Clinical Outcomes and Donor-Specific Antibody Characteristics. <i>American Journal of Transplantation</i> , 2016, 16, 1216-1228.	2.6	112
12	Endogenous oxidized phospholipids reprogram cellular metabolism and boost hyperinflammation. <i>Nature Immunology</i> , 2020, 21, 42-53.	7.0	112
13	PGRMC2 is an intracellular haem chaperone critical for adipocyte function. <i>Nature</i> , 2019, 576, 138-142.	13.7	96
14	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, 113-124.	0.4	91
15	NF- κ B dynamics determine the stimulus specificity of epigenomic reprogramming in macrophages. <i>Science</i> , 2021, 372, 1349-1353.	6.0	91
16	The controversial relationship between NLRP3, alum, danger signals and the next-generation adjuvants. <i>European Journal of Immunology</i> , 2010, 40, 638-642.	1.6	88
17	Uric Acid-Driven Th17 Differentiation Requires Inflammasome-Derived IL-1 and IL-18. <i>Journal of Immunology</i> , 2011, 187, 5842-5850.	0.4	75
18	Increased autophagy in CD4 ⁺ T cells of rheumatoid arthritis patients results in cell hyperactivation and apoptosis resistance. <i>European Journal of Immunology</i> , 2016, 46, 2862-2870.	1.6	75

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19	IL-15 cis Presentation Is Required for Optimal NK Cell Activation in Lipopolysaccharide-Mediated Inflammatory Conditions. <i>Cell Reports</i> , 2013, 4, 1235-1249.	2.9	66
20	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.	0.5	64
21	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, 459-465.	0.5	62
22	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.	2.1	61
23	Early cytokine signatures of ischemia/reperfusion injury in human orthotopic liver transplantation. <i>JCI Insight</i> , 2016, 1, e89679.	2.3	51
24	Discovery and Characterization of 2-Aminobenzimidazole Derivatives as Selective NOD1 Inhibitors. <i>Chemistry and Biology</i> , 2011, 18, 825-832.	6.2	50
25	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, 1443-1446.e1.	1.5	44
26	Profiling immunoglobulin repertoires across multiple human tissues using RNA sequencing. <i>Nature Communications</i> , 2020, 11, 3126.	5.8	44
27	Similarities and differences of innate immune responses elicited by smooth and rough LPS. <i>Immunology Letters</i> , 2012, 142, 41-47.	1.1	42
28	Iterative Modeling Reveals Evidence of Sequential Transcriptional Control Mechanisms. <i>Cell Systems</i> , 2017, 4, 330-343.e5.	2.9	42
29	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.	3.8	42
30	An adjuvant strategy enabled by modulation of the physical properties of microbial ligands expands antigen immunogenicity. <i>Cell</i> , 2022, 185, 614-629.e21.	13.5	40
31	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, 632-637.	3.3	38
32	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.	3.3	36
33	The histone variant H2A.Z promotes efficient cotranscriptional splicing in <i>S. cerevisiae</i> . <i>Genes and Development</i> , 2017, 31, 702-717.	2.7	35
34	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.	2.9	35
35	Prolonged contact with dendritic cells turns lymph node-resident <i>scp</i> NK cells into anti-tumor effectors. <i>EMBO Molecular Medicine</i> , 2016, 8, 1039-1051.	3.3	30
36	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.	0.4	28

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37	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.	1.6	26
38	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, 1221-1227.	2.9	25
39	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.	3.3	23
40	Advances in Genomics for Drug Development. <i>Genes</i> , 2020, 11, 942.	1.0	22
41	Maturation signatures of conventional dendritic cell subtypes in COVID-19 suggest direct viral sensing. <i>European Journal of Immunology</i> , 2022, 52, 109-122.	1.6	22
42	Human CD4 ⁺ CD3 ⁺ Innate-Like T Cells Provide a Source of TNF and Lymphotoxin- α and Are Elevated in Rheumatoid Arthritis. <i>Journal of Immunology</i> , 2013, 191, 4611-4618.	0.4	21
43	Training the 21st Century Immunologist. <i>Trends in Immunology</i> , 2015, 36, 283-285.	2.9	15
44	A sensitive protocol for FOXP3 epigenetic analysis in scarce human samples. <i>European Journal of Immunology</i> , 2014, 44, 3141-3143.	1.6	14
45	Phased Diploid Genome Sequence for the Fast-Growing Microalga <i>Picochlorum celeri</i> . <i>Microbiology Resource Announcements</i> , 2020, 9, .	0.3	10
46	Transfer transcriptomic signatures for infectious diseases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	8
47	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.	1.4	4
48	Regulatory T-Cell Therapy in Transplantation and Severe Autoimmunity. <i>Critical Reviews in Immunology</i> , 2015, 35, 479-503.	1.0	3