

# Mario Roederer

## List of Publications by Year in descending order

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278  
papers

45,797  
citations

1606

105  
h-index

2027

205  
g-index

285  
all docs

285  
docs citations

285  
times ranked

41241  
citing authors

#	ARTICLE	IF	CITATIONS
1	HIV nonprogressors preferentially maintain highly functional HIV-specific CD8+ T cells. <i>Blood</i> , 2006, 107, 4781-4789.	0.6	1,681
2	Rational Design of Envelope Identifies Broadly Neutralizing Human Monoclonal Antibodies to HIV-1. <i>Science</i> , 2010, 329, 856-861.	6.0	1,600
3	A human memory T cell subset with stem cell-like properties. <i>Nature Medicine</i> , 2011, 17, 1290-1297.	15.2	1,547
4	Sensitive and viable identification of antigen-specific CD8+ T cells by a flow cytometric assay for degranulation. <i>Journal of Immunological Methods</i> , 2003, 281, 65-78.	0.6	1,424
5	T-cell quality in memory and protection: implications for vaccine design. <i>Nature Reviews Immunology</i> , 2008, 8, 247-258.	10.6	1,410
6	Multifunctional TH1 cells define a correlate of vaccine-mediated protection against <i>Leishmania major</i> . <i>Nature Medicine</i> , 2007, 13, 843-850.	15.2	1,272
7	Massive infection and loss of memory CD4+ T cells in multiple tissues during acute SIV infection. <i>Nature</i> , 2005, 434, 1093-1097.	13.7	1,161
8	Characterization of circulating T cells specific for tumor-associated antigens in melanoma patients. <i>Nature Medicine</i> , 1999, 5, 677-685.	15.2	1,033
9	Evaluation of the mRNA-1273 Vaccine against SARS-CoV-2 in Nonhuman Primates. <i>New England Journal of Medicine</i> , 2020, 383, 1544-1555.	13.9	936
10	Seventeen-colour flow cytometry: unravelling the immune system. <i>Nature Reviews Immunology</i> , 2004, 4, 648-655.	10.6	918
11	Expression of CD57 defines replicative senescence and antigen-induced apoptotic death of CD8+ T cells. <i>Blood</i> , 2003, 101, 2711-2720.	0.6	887
12	PD-1 is a regulator of virus-specific CD8+ T cell survival in HIV infection. <i>Journal of Experimental Medicine</i> , 2006, 203, 2281-2292.	4.2	808
13	SPICE: Exploration and analysis of post-cytometric complex multivariate datasets. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2011, 79A, 167-174.	1.1	799
14	Focused Evolution of HIV-1 Neutralizing Antibodies Revealed by Structures and Deep Sequencing. <i>Science</i> , 2011, 333, 1593-1602.	6.0	788
15	The who's who of T cell differentiation: Human memory T cell subsets. <i>European Journal of Immunology</i> , 2013, 43, 2797-2809.	1.6	785
16	Protection Against Malaria by Intravenous Immunization with a Nonreplicating Sporozoite Vaccine. <i>Science</i> , 2013, 341, 1359-1365.	6.0	686
17	Phenotype and function of human T lymphocyte subsets: Consensus and issues. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2008, 73A, 975-983.	1.1	645
18	Redistribution, Hyperproliferation, Activation of Natural Killer Cells and CD8 T Cells, and Cytokine Production During First-in-Human Clinical Trial of Recombinant Human Interleukin-15 in Patients With Cancer. <i>Journal of Clinical Oncology</i> , 2015, 33, 74-82.	0.8	571

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19	Emerging Concepts in the Immunopathogenesis of AIDS. Annual Review of Medicine, 2009, 60, 471-484.	5.0	499
20	Durability of mRNA-1273 vaccine-induced antibodies against SARS-CoV-2 variants. Science, 2021, 373, 1372-1377.	6.0	459
21	Accelerated vaccination for Ebola virus haemorrhagic fever in non-human primates. Nature, 2003, 424, 681-684.	13.7	436
22	Immunocompetent T-Cells with a Memory-Like Phenotype are the Dominant Cell Type Following Antibody-Mediated T-Cell Depletion. American Journal of Transplantation, 2005, 5, 465-474.	2.6	435
23	Immunization with vaccinia virus induces polyfunctional and phenotypically distinctive CD8+ T cell responses. Journal of Experimental Medicine, 2007, 204, 1405-1416.	4.2	428
24	11-color, 13-parameter flow cytometry: Identification of human naive T cells by phenotype, function, and T-cell receptor diversity. Nature Medicine, 2001, 7, 245-248.	15.2	421
25	A practical approach to multicolor flow cytometry for immunophenotyping. Journal of Immunological Methods, 2000, 243, 77-97.	0.6	414
26	Prevention of tuberculosis in macaques after intravenous BCG immunization. Nature, 2020, 577, 95-102.	13.7	394
27	Ex vivo identification, isolation and analysis of tumor-cytolytic T cells. Nature Medicine, 2003, 9, 1377-1382.	15.2	386
28	Avidity for antigen shapes clonal dominance in CD8+ T cell populations specific for persistent DNA viruses. Journal of Experimental Medicine, 2005, 202, 1349-1361.	4.2	360
29	T-Cell Subsets That Harbor Human Immunodeficiency Virus (HIV) In Vivo: Implications for HIV Pathogenesis. Journal of Virology, 2004, 78, 1160-1168.	1.5	351
30	Quantum dot semiconductor nanocrystals for immunophenotyping by polychromatic flow cytometry. Nature Medicine, 2006, 12, 972-977.	15.2	349
31	Rapid development of a DNA vaccine for Zika virus. Science, 2016, 354, 237-240.	6.0	348
32	Single-cell technologies for monitoring immune systems. Nature Immunology, 2014, 15, 128-135.	7.0	337
33	HIV Gag protein conjugated to a Toll-like receptor 7/8 agonist improves the magnitude and quality of Th1 and CD8+ T cell responses in nonhuman primates. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 15190-15194.	3.3	323
34	Protection against malaria at 1 year and immune correlates following PfSPZ vaccination. Nature Medicine, 2016, 22, 614-623.	15.2	313
35	Chimpanzee adenovirus vaccine generates acute and durable protective immunity against ebolavirus challenge. Nature Medicine, 2014, 20, 1126-1129.	15.2	311
36	CD4 T follicular helper cell dynamics during SIV infection. Journal of Clinical Investigation, 2012, 122, 3281-3294.	3.9	307

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37	A live-cell assay to detect antigen-specific CD4+ T cells with diverse cytokine profiles. <i>Nature Medicine</i> , 2005, 11, 1113-1117.	15.2	293
38	Acquisition of direct antiviral effector functions by CMV-specific CD4+ T lymphocytes with cellular maturation. <i>Journal of Experimental Medicine</i> , 2006, 203, 2865-2877.	4.2	293
39	The Genetic Architecture of the Human Immune System: A Bioresource for Autoimmunity and Disease Pathogenesis. <i>Cell</i> , 2015, 161, 387-403.	13.5	292
40	Superior T memory stem cell persistence supports long-lived T cell memory. <i>Journal of Clinical Investigation</i> , 2013, 123, 594-9.	3.9	287
41	Toll-Like Receptor Ligands Modulate Dendritic Cells to Augment Cytomegalovirus- and HIV-1-Specific T Cell Responses. <i>Journal of Immunology</i> , 2003, 171, 4320-4328.	0.4	285
42	Phase 1 Safety and Immunogenicity Evaluation of a Multiclade HIV-1 Candidate Vaccine Delivered by a Replication-Defective Recombinant Adenovirus Vector. <i>Journal of Infectious Diseases</i> , 2006, 194, 1638-1649.	1.9	283
43	The Size of the Viral Inoculum Contributes to the Outcome of Hepatitis B Virus Infection. <i>Journal of Virology</i> , 2009, 83, 9652-9662.	1.5	282
44	Toll-like receptor agonists influence the magnitude and quality of memory T cell responses after prime-boost immunization in nonhuman primates. <i>Journal of Experimental Medicine</i> , 2006, 203, 1249-1258.	4.2	270
45	Vaccine-Induced Antibodies that Neutralize Group 1 and Group 2 Influenza A Viruses. <i>Cell</i> , 2016, 166, 609-623.	13.5	270
46	Role of BCR affinity in T cell-dependent antibody responses in vivo. <i>Nature Immunology</i> , 2002, 3, 570-575.	7.0	264
47	Enhanced Potency of a Broadly Neutralizing HIV-1 Antibody <i>In Vitro</i> Improves Protection against Lentiviral Infection <i>In Vivo</i> . <i>Journal of Virology</i> , 2014, 88, 12669-12682.	1.5	248
48	Immune correlates of protection by mRNA-1273 vaccine against SARS-CoV-2 in nonhuman primates. <i>Science</i> , 2021, 373, eabj0299.	6.0	244
49	Chimpanzee Adenovirus Vector Ebola Vaccine. <i>New England Journal of Medicine</i> , 2017, 376, 928-938.	13.9	243
50	Intracellular cytokine optimization and standard operating procedure. <i>Nature Protocols</i> , 2006, 1, 1507-1516.	5.5	238
51	Role of antigen receptor affinity in T cell-independent antibody responses in vivo. <i>Nature Immunology</i> , 2002, 3, 399-406.	7.0	236
52	Trispecific broadly neutralizing HIV antibodies mediate potent SHIV protection in macaques. <i>Science</i> , 2017, 358, 85-90.	6.0	225
53	Preferential infection and depletion of <i>Mycobacterium tuberculosis</i> -specific CD4 T cells after HIV-1 infection. <i>Journal of Experimental Medicine</i> , 2010, 207, 2869-2881.	4.2	224
54	A DNA Vaccine for Ebola Virus Is Safe and Immunogenic in a Phase I Clinical Trial. <i>Vaccine Journal</i> , 2006, 13, 1267-1277.	3.2	221

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55	The cytolytic enzymes granzyme A, granzyme B, and perforin: expression patterns, cell distribution, and their relationship to cell maturity and bright CD57 expression. <i>Journal of Leukocyte Biology</i> , 2009, 85, 88-97.	1.5	221
56	Polyfunctional T cell responses are a hallmark of HIV-2 infection. <i>European Journal of Immunology</i> , 2008, 38, 350-363.	1.6	216
57	HIV-1 Actively Replicates in Naive CD4+ T Cells Residing within Human Lymphoid Tissues. <i>Immunity</i> , 2001, 15, 671-682.	6.6	215
58	Immunisation with BCG and recombinant MVA85A induces long-lasting, polyfunctional <i>Mycobacterium tuberculosis</i> -specific CD4 <sup>+</sup> memory T lymphocyte populations. <i>European Journal of Immunology</i> , 2007, 37, 3089-3100.	1.6	206
59	Attenuated PfSPZ Vaccine induces strain-transcending T cells and durable protection against heterologous controlled human malaria infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 2711-2716.	3.3	201
60	CD8+ cellular immunity mediates rAd5 vaccine protection against Ebola virus infection of nonhuman primates. <i>Nature Medicine</i> , 2011, 17, 1128-1131.	15.2	200
61	Live-cell assay to detect antigen-specific CD4+ T-cell responses by CD154 expression. <i>Nature Protocols</i> , 2006, 1, 1-6.	5.5	197
62	High-throughput quantitative analysis of HIV-1 and SIV-specific ADCC-mediated antibody responses. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2011, 79A, 603-612.	1.1	197
63	Adjuvant-dependent innate and adaptive immune signatures of risk of SIVmac251 acquisition. <i>Nature Medicine</i> , 2016, 22, 762-770.	15.2	197
64	Beyond six colors: A new era in flow cytometry. <i>Nature Medicine</i> , 2003, 9, 112-117.	15.2	194
65	Surface expression patterns of negative regulatory molecules identify determinants of virus-specific CD8+ T-cell exhaustion in HIV infection. <i>Blood</i> , 2011, 117, 4805-4815.	0.6	193
66	Interpretation of cellular proliferation data: Avoid the panglossian. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2011, 79A, 95-101.	1.1	191
67	The history and future of the fluorescence activated cell sorter and flow cytometry: a view from Stanford. <i>Clinical Chemistry</i> , 2002, 48, 1819-27.	1.5	191
68	Amine reactive dyes: An effective tool to discriminate live and dead cells in polychromatic flow cytometry. <i>Journal of Immunological Methods</i> , 2006, 313, 199-208.	0.6	190
69	Elevation of plasma thioredoxin levels in HIV-infected individuals. <i>International Immunology</i> , 1996, 8, 603-611.	1.8	188
70	Use of ChAd3-EBO-Z Ebola virus vaccine in Malian and US adults, and boosting of Malian adults with MVA-BN-Filo: a phase 1, single-blind, randomised trial, a phase 1b, open-label and double-blind, dose-escalation trial, and a nested, randomised, double-blind, placebo-controlled trial. <i>Lancet Infectious Diseases</i> , The, 2016, 16, 31-42.	4.6	187
71	Vaccination in Humans Generates Broad T Cell Cytokine Responses. <i>Journal of Immunology</i> , 2004, 173, 5372-5380.	0.4	186
72	Optimizing a Multicolor Immunophenotyping Assay. <i>Clinics in Laboratory Medicine</i> , 2007, 27, 469-485.	0.7	184

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73	Immune Protection of Nonhuman Primates against Ebola Virus with Single Low-Dose Adenovirus Vectors Encoding Modified GPs. <i>PLoS Medicine</i> , 2006, 3, e177.	3.9	182
74	Identification, isolation and in vitro expansion of human and nonhuman primate T stem cell memory cells. <i>Nature Protocols</i> , 2013, 8, 33-42.	5.5	181
75	mRNA-1273 or mRNA-Omicron boost in vaccinated macaques elicits similar B cell expansion, neutralizing responses, and protection from Omicron. <i>Cell</i> , 2022, 185, 1556-1571.e18.	13.5	179
76	Quality assurance for polychromatic flow cytometry. <i>Nature Protocols</i> , 2006, 1, 1522-1530.	5.5	178
77	Recombinant Adenovirus Serotype 26 (Ad26) and Ad35 Vaccine Vectors Bypass Immunity to Ad5 and Protect Nonhuman Primates against Ebolavirus Challenge. <i>Journal of Virology</i> , 2011, 85, 4222-4233.	1.5	176
78	A West Nile Virus DNA Vaccine Induces Neutralizing Antibody in Healthy Adults during a Phase 1 Clinical Trial. <i>Journal of Infectious Diseases</i> , 2007, 196, 1732-1740.	1.9	175
79	Ultrapotent antibodies against diverse and highly transmissible SARS-CoV-2 variants. <i>Science</i> , 2021, 373, .	6.0	174
80	Vaccination preserves CD4 memory T cells during acute simian immunodeficiency virus challenge. <i>Journal of Experimental Medicine</i> , 2006, 203, 1533-1541.	4.2	169
81	Data analysis in flow cytometry: The future just started. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2010, 77A, 705-713.	1.1	168
82	Safety (toxicity), pharmacokinetics, immunogenicity, and impact on elements of the normal immune system of recombinant human IL-15 in rhesus macaques. <i>Blood</i> , 2011, 117, 4787-4795.	0.6	165
83	Intracellular Glutathione Levels in T Cell Subsets Decrease in HIV-Infected Individuals. <i>AIDS Research and Human Retroviruses</i> , 1992, 8, 305-311.	0.5	163
84	Ontogeny of $\hat{1}\hat{3}\hat{1}$ T Cells in Humans. <i>Journal of Immunology</i> , 2004, 172, 1637-1645.	0.4	163
85	Elevated frequencies of highly activated CD4+ T cells in HIV+ patients developing immune reconstitution inflammatory syndrome. <i>Blood</i> , 2010, 116, 3818-3827.	0.6	159
86	A chromatic explosion: the development and future of multiparameter flow cytometry. <i>Immunology</i> , 2008, 125, 441-449.	2.0	154
87	Loss of Circulating CD4 T Cells with B Cell Helper Function during Chronic HIV Infection. <i>PLoS Pathogens</i> , 2014, 10, e1003853.	2.1	153
88	<i>N</i> -Acetylcysteine: A New Approach to Anti-HIV Therapy. <i>AIDS Research and Human Retroviruses</i> , 1992, 8, 209-217.	0.5	150
89	Increased CD95/Fas-Induced Apoptosis of HIV-Specific CD8+ T Cells. <i>Immunity</i> , 2001, 15, 871-882.	6.6	146
90	CD4 and CD8 T cells with high intracellular glutathione levels are selectively lost as the HIV infection progresses. <i>International Immunology</i> , 1991, 3, 933-937.	1.8	142

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91	Public clonotype usage identifies protective Gag-specific CD8+ T cell responses in SIV infection. <i>Journal of Experimental Medicine</i> , 2009, 206, 923-936.	4.2	140
92	Immunological and virological mechanisms of vaccine-mediated protection against SIV and HIV. <i>Nature</i> , 2014, 505, 502-508.	13.7	140
93	Phase I clinical evaluation of a six-plasmid multiclade HIV-1 DNA candidate vaccine. <i>Vaccine</i> , 2007, 25, 4085-4092.	1.7	134
94	Kinetics and temperature dependence of exposure of endocytosed material to proteolytic enzymes and low pH: Evidence for a maturation model for the formation of lysosomes. <i>Journal of Cellular Physiology</i> , 1987, 131, 200-209.	2.0	132
95	Role of naive-derived T memory stem cells in T-cell reconstitution following allogeneic transplantation. <i>Blood</i> , 2015, 125, 2855-2864.	0.6	132
96	A model for harmonizing flow cytometry in clinical trials. <i>Nature Immunology</i> , 2010, 11, 975-978.	7.0	130
97	Route of immunization defines multiple mechanisms of vaccine-mediated protection against SIV. <i>Nature Medicine</i> , 2018, 24, 1590-1598.	15.2	129
98	Quality assurance for polychromatic flow cytometry using a suite of calibration beads. <i>Nature Protocols</i> , 2012, 7, 2067-2079.	5.5	128
99	Characterization of functional and phenotypic changes in anti-Gag vaccine-induced T cell responses and their role in protection after HIV-1 infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 4512-4517.	3.3	126
100	Priming Immunization with DNA Augments Immunogenicity of Recombinant Adenoviral Vectors for Both HIV-1 Specific Antibody and T-Cell Responses. <i>PLoS ONE</i> , 2010, 5, e9015.	1.1	125
101	Antioxidants Inhibit Stimulation of HIV Transcription. <i>AIDS Research and Human Retroviruses</i> , 1993, 9, 299-306.	0.5	121
102	The Functional Profile of Primary Human Antiviral CD8+ T Cell Effector Activity Is Dictated by Cognate Peptide Concentration. <i>Journal of Immunology</i> , 2004, 172, 6407-6417.	0.4	120
103	Flow cytometric DNA analysis of Neuroblastoma and Ganglioneuroma. A 10-year retrospective study. <i>Cancer</i> , 1988, 62, 749-754.	2.0	110
104	Phenotypic and Functional Profile of HIV-Inhibitory CD8 T Cells Elicited by Natural Infection and Heterologous Prime/Boost Vaccination. <i>Journal of Virology</i> , 2010, 84, 4998-5006.	1.5	110
105	Safety and immunogenicity of Ebola virus and Marburg virus glycoprotein DNA vaccines assessed separately and concomitantly in healthy Ugandan adults: a phase 1b, randomised, double-blind, placebo-controlled clinical trial. <i>Lancet, The</i> , 2015, 385, 1545-1554.	6.3	109
106	Innate and adaptive immune traits are differentially affected by genetic and environmental factors. <i>Nature Communications</i> , 2017, 8, 13850.	5.8	107
107	Human Immunodeficiency Virus Type 1 Neutralization Measured by Flow Cytometric Quantitation of Single-Round Infection of Primary Human T Cells. <i>Journal of Virology</i> , 2002, 76, 4810-4821.	1.5	106
108	Demonstration of Cross-Protective Vaccine Immunity against an Emerging Pathogenic Ebolavirus Species. <i>PLoS Pathogens</i> , 2010, 6, e1000904.	2.1	106



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109	Differential Association of Programmed Death-1 and CD57 with Ex Vivo Survival of CD8+ T Cells in HIV Infection. <i>Journal of Immunology</i> , 2009, 183, 1120-1132.	0.4	105
110	Alpha and Lambda Interferon Together Mediate Suppression of CD4 T Cells Induced by Respiratory Syncytial Virus. <i>Journal of Virology</i> , 2006, 80, 5032-5040.	1.5	101
111	Flow cytometry strikes gold. <i>Science</i> , 2015, 350, 739-740.	6.0	101
112	Broadly Neutralizing Human Immunodeficiency Virus Type 1 Antibody Gene Transfer Protects Nonhuman Primates from Mucosal Simian-Human Immunodeficiency Virus Infection. <i>Journal of Virology</i> , 2015, 89, 8334-8345.	1.5	100
113	Comparative Analysis of the Magnitude, Quality, Phenotype, and Protective Capacity of Simian Immunodeficiency Virus Gag-Specific CD8+ T Cells following Human-, Simian-, and Chimpanzee-Derived Recombinant Adenoviral Vector Immunization. <i>Journal of Immunology</i> , 2013, 190, 2720-2735.	0.4	99
114	Quantifying spillover spreading for comparing instrument performance and aiding in multicolor panel design. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2013, 83A, 306-315.	1.1	98
115	Antigen expression determines adenoviral vaccine potency independent of IFN and STING signaling. <i>Journal of Clinical Investigation</i> , 2015, 125, 1129-1146.	3.9	97
116	Resting naive CD4+ T cells are massively infected and eliminated by X4-tropic simian-human immunodeficiency viruses in macaques. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 8000-8005.	3.3	96
117	Brilliant violet fluorophores: A new class of ultrabright fluorescent compounds for immunofluorescence experiments. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2012, 81A, 456-466.	1.1	92
118	Characterization of subsets of CD4+ memory T cells reveals early branched pathways of T cell differentiation in humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 7916-7921.	3.3	91
119	Selective expansion of polyfunctional pathogen-specific CD4+ T cells in HIV-1-infected patients with immune reconstitution inflammatory syndrome. <i>Blood</i> , 2012, 119, 3105-3112.	0.6	91
120	Relationship between Functional Profile of HIV-1 Specific CD8 T Cells and Epitope Variability with the Selection of Escape Mutants in Acute HIV-1 Infection. <i>PLoS Pathogens</i> , 2011, 7, e1001273.	2.1	90
121	Neutralization tiers of HIV-1. <i>Current Opinion in HIV and AIDS</i> , 2018, 13, 128-136.	1.5	89
122	A Meta-analysis of Passive Immunization Studies Shows that Serum-Neutralizing Antibody Titer Associates with Protection against SHIV Challenge. <i>Cell Host and Microbe</i> , 2019, 26, 336-346.e3.	5.1	88
123	Aerosol Vaccination with AERAS-402 Elicits Robust Cellular Immune Responses in the Lungs of Rhesus Macaques but Fails To Protect against High-Dose <i>Mycobacterium tuberculosis</i> Challenge. <i>Journal of Immunology</i> , 2014, 193, 1799-1811.	0.4	87
124	Single-cell gene-expression profiling reveals qualitatively distinct CD8 T cells elicited by different gene-based vaccines. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 5724-5729.	3.3	86
125	IL15 and T-cell Stemness in T-cell-Based Cancer Immunotherapy. <i>Cancer Research</i> , 2015, 75, 5187-5193.	0.4	86
126	Protection against SARS-CoV-2 Beta variant in mRNA-1273 vaccine-boosted nonhuman primates. <i>Science</i> , 2021, 374, 1343-1353.	6.0	83



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127	Diversity and Recognition Efficiency of T Cell Responses to Cancer. <i>PLoS Medicine</i> , 2004, 1, e28.	3.9	82
128	IL15 by Continuous Intravenous Infusion to Adult Patients with Solid Tumors in a Phase I Trial Induced Dramatic NK-Cell Subset Expansion. <i>Clinical Cancer Research</i> , 2019, 25, 4945-4954.	3.2	82
129	Autocrine Production of $\hat{I}^2$ -Chemokines Protects CMV-Specific CD4+ T Cells from HIV Infection. <i>PLoS Pathogens</i> , 2009, 5, e1000646.	2.1	81
130	IL-10 production differentially influences the magnitude, quality, and protective capacity of Th1 responses depending on the vaccine platform. <i>Journal of Experimental Medicine</i> , 2010, 207, 1421-1433.	4.2	81
131	Getting to the HAART of T cell dynamics. <i>Nature Medicine</i> , 1998, 4, 145-146.	15.2	76
132	Association of HIV-Specific and Total CD8+ T Memory Phenotypes in Subtype C HIV-1 Infection with Viral Set Point. <i>Journal of Immunology</i> , 2009, 182, 4751-4761.	0.4	75
133	T-cell dynamics of immunodeficiency. <i>Nature Medicine</i> , 1995, 1, 621-622.	15.2	74
134	Highly multiplexed quantitation of gene expression on single cells. <i>Journal of Immunological Methods</i> , 2013, 391, 133-145.	0.6	72
135	Amine-Responsive Dyes for Dead Cell Discrimination in Fixed Samples. <i>Current Protocols in Cytometry</i> , 2010, 53, Unit 9.34.	3.7	71
136	DNA Vaccine Delivered by a Needle-Free Injection Device Improves Potency of Priming for Antibody and CD8+ T-Cell Responses after rAd5 Boost in a Randomized Clinical Trial. <i>PLoS ONE</i> , 2013, 8, e59340.	1.1	71
137	N-Acetylcysteine Inhibits Latent HIV Expression in Chronically Infected Cells. <i>AIDS Research and Human Retroviruses</i> , 1991, 7, 563-567.	0.5	70
138	OMIP-017: Human CD4 <sup>+</sup> helper T-cell subsets including follicular helper cells. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2013, 83A, 439-440.	1.1	68
139	Mixture models for single-cell assays with applications to vaccine studies. <i>Biostatistics</i> , 2014, 15, 87-101.	0.9	68
140	Flow cytometric analysis of vaccine responses: how many colors are enough?. <i>Clinical Immunology</i> , 2004, 110, 199-205.	1.4	65
141	Genetic immunization in the lung induces potent local and systemic immune responses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 22213-22218.	3.3	65
142	HIV vaccine candidate activation of hypoxia and the inflammasome in CD14+ monocytes is associated with a decreased risk of SIVmac251 acquisition. <i>Nature Medicine</i> , 2018, 24, 847-856.	15.2	65
143	Vector Choice Determines Immunogenicity and Potency of Genetic Vaccines against Angola Marburg Virus in Nonhuman Primates. <i>Journal of Virology</i> , 2010, 84, 10386-10394.	1.5	64
144	Protection from SARS-CoV-2 Delta one year after mRNA-1273 vaccination in rhesus macaques coincides with anamnestic antibody response in the lung. <i>Cell</i> , 2022, 185, 113-130.e15.	13.5	64

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145	Good cell, bad cell: Flow cytometry reveals T cell subsets important in HIV disease. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2010, 77A, 614-622.	1.1	63
146	HIV-1 Neutralizing Antibodies Display Dual Recognition of the Primary and Coreceptor Binding Sites and Preferential Binding to Fully Cleaved Envelope Glycoproteins. <i>Journal of Virology</i> , 2012, 86, 11231-11241.	1.5	61
147	The early expansion of anergic NKG2A <sup>pos</sup> /CD56 <sup>dim</sup> /CD16 <sup>neg</sup> natural killer represents a therapeutic target in haploidentical hematopoietic stem cell transplantation. <i>Haematologica</i> , 2018, 103, 1390-1402.	1.7	61
148	Optimized lymphocyte isolation methods for analysis of chemokine receptor expression. <i>Journal of Immunological Methods</i> , 2003, 279, 199-207.	0.6	60
149	T-cell dynamics during acute SIV infection. <i>Aids</i> , 2004, 18, 13-23.	1.0	59
150	Optimized determination of T cell epitope responses. <i>Journal of Immunological Methods</i> , 2003, 274, 221-228.	0.6	58
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