

# Louis J Picker

## List of Publications by Year in descending order

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114  
papers

17,642  
citations

46918

47  
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24179

110  
g-index

124  
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124  
docs citations

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times ranked

14467  
citing authors

#	ARTICLE	IF	CITATIONS
1	The ingenol-based protein kinase C agonist GSK445A is a potent inducer of HIV and SIV RNA transcription. <i>PLoS Pathogens</i> , 2022, 18, e1010245.	2.1	11
2	Rapamycin limits CD4+ T cell proliferation in simian immunodeficiency virus-infected rhesus macaques on antiretroviral therapy. <i>Journal of Clinical Investigation</i> , 2022, 132, .	3.9	5
3	BFF and cellhashR: analysis tools for accurate demultiplexing of cell hashing data. <i>Bioinformatics</i> , 2022, 38, 2791-2801.	1.8	8
4	Myeloid cell tropism enables MHC-E-restricted CD8 <sup>+</sup> T cell priming and vaccine efficacy by the RhCMV/SIV vaccine. <i>Science Immunology</i> , 2022, 7, .	5.6	16
5	Ultra-low Dose Aerosol Infection of Mice with Mycobacterium tuberculosis More Closely Models Human Tuberculosis. <i>Cell Host and Microbe</i> , 2021, 29, 68-82.e5.	5.1	62
6	HLA-E-restricted, Gag-specific CD8 <sup>+</sup> T cells can suppress HIV-1 infection, offering vaccine opportunities. <i>Science Immunology</i> , 2021, 6, .	5.6	35
7	Evaluating a New Class of AKT/mTOR Activators for HIV Latency-Reversing Activity <i>Ex Vivo</i> and <i>In Vivo</i> . <i>Journal of Virology</i> , 2021, 95, .	1.5	13
8	Cytomegaloviral determinants of CD8 <sup>+</sup> T cell programming and RhCMV/SIV vaccine efficacy. <i>Science Immunology</i> , 2021, 6, .	5.6	34
9	Modulation of MHC-E transport by viral decoy ligands is required for RhCMV/SIV vaccine efficacy. <i>Science</i> , 2021, 372, .	6.0	32
10	CD8+ T cells fail to limit SIV reactivation following ART withdrawal until after viral amplification. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	18
11	TGF $\beta$ 2 restricts expansion, survival, and function of T $\beta$ cells within the tuberculous granuloma. <i>Cell Host and Microbe</i> , 2021, 29, 594-606.e6.	5.1	41
12	Interleukin-15 response signature predicts RhCMV/SIV vaccine efficacy. <i>PLoS Pathogens</i> , 2021, 17, e1009278.	2.1	18
13	Immune inactivation of anti-simian immunodeficiency virus chimeric antigen receptor T $\beta$ cells in rhesus macaques. <i>Molecular Therapy - Methods and Clinical Development</i> , 2021, 22, 304-319.	1.8	5
14	Identification and Characterization of Antigen-Specific CD8+ T Cells Using Surface-Trapped TNF- $\beta$ and Single-Cell Sequencing. <i>Journal of Immunology</i> , 2021, , ji2100535.	0.4	2
15	Sequence diversity analyses of an improved rhesus macaque genome enhance its biomedical utility. <i>Science</i> , 2020, 370, .	6.0	105
16	The Identity of Human Tissue-Emigrant CD8+ T Cells. <i>Cell</i> , 2020, 183, 1946-1961.e15.	13.5	58
17	MHC-E-Restricted CD8+ T Cells Target Hepatitis B Virus-Infected Human Hepatocytes. <i>Journal of Immunology</i> , 2020, 204, 2169-2176.	0.4	17
18	In vitro and in vivo characterization of a recombinant rhesus cytomegalovirus containing a complete genome. <i>PLoS Pathogens</i> , 2020, 16, e1008666.	2.1	20

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19	Systematic Profiling of Full-Length Ig and TCR Repertoire Diversity in Rhesus Macaque through Long Read Transcriptome Sequencing. <i>Journal of Immunology</i> , 2020, 204, 3434-3444.	0.4	18
20	Title is missing!. , 2020, 16, e1008666.		0
21	Title is missing!. , 2020, 16, e1008666.		0
22	Title is missing!. , 2020, 16, e1008666.		0
23	Title is missing!. , 2020, 16, e1008666.		0
24	Enhancing safety of cytomegalovirus-based vaccine vectors by engaging host intrinsic immunity. <i>Science Translational Medicine</i> , 2019, 11, .	5.8	23
25	A live-attenuated RhCMV/SIV vaccine shows long-term efficacy against heterologous SIV challenge. <i>Science Translational Medicine</i> , 2019, 11, .	5.8	80
26	The Landscape of Persistent Viral Genomes in ART-Treated SIV, SHIV, and HIV-2 Infections. <i>Cell Host and Microbe</i> , 2019, 26, 73-85.e4.	5.1	71
27	Vaccine-Mediated Inhibition of the Transporter Associated with Antigen Processing Is Insufficient To Induce Major Histocompatibility Complex E-Restricted CD8 <sup>+</sup> T Cells in Nonhuman Primates. <i>Journal of Virology</i> , 2019, 93, .	1.5	5
28	Role of IL-15 Signaling in the Pathogenesis of Simian Immunodeficiency Virus Infection in Rhesus Macaques. <i>Journal of Immunology</i> , 2019, 203, 2928-2943.	0.4	8
29	Cytomegalovirus vectors expressing Plasmodium knowlesi antigens induce immune responses that delay parasitemia upon sporozoite challenge. <i>PLoS ONE</i> , 2019, 14, e0210252.	1.1	32
30	Casting a wider net: Immunosurveillance by nonclassical MHC molecules. <i>PLoS Pathogens</i> , 2019, 15, e1007567.	2.1	49
31	<i>In Vivo</i> Validation of the Viral Barcoding of Simian Immunodeficiency Virus SIVmac239 and the Development of New Barcoded SIV and Subtype B and C Simian-Human Immunodeficiency Viruses. <i>Journal of Virology</i> , 2019, 94, .	1.5	24
32	Characterization of a live-attenuated HCMV-based vaccine platform. <i>Scientific Reports</i> , 2019, 9, 19236.	1.6	26
33	Lymph nodes as barriers to T cell rejuvenation in aging mice and nonhuman primates. <i>Aging Cell</i> , 2019, 18, e12865.	3.0	54
34	Acute Infection and Subsequent Subclinical Reactivation of Herpes Simplex Virus 2 after Vaginal Inoculation of Rhesus Macaques. <i>Journal of Virology</i> , 2019, 93, .	1.5	11
35	Identification and Functional Characterization of a Novel Fc Gamma-Binding Glycoprotein in Rhesus Cytomegalovirus. <i>Journal of Virology</i> , 2019, 93, .	1.5	14
36	Prevention of tuberculosis in rhesus macaques by a cytomegalovirus-based vaccine. <i>Nature Medicine</i> , 2018, 24, 130-143.	15.2	225

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37	Potent Immune Modulation by MEDI6383, an Engineered Human OX40 Ligand IgG4P Fc Fusion Protein. <i>Molecular Cancer Therapeutics</i> , 2018, 17, 1024-1038.	1.9	31
38	The Role of MHC-E in T Cell Immunity Is Conserved among Humans, Rhesus Macaques, and Cynomolgus Macaques. <i>Journal of Immunology</i> , 2018, 200, 49-60.	0.4	54
39	Early antiretroviral therapy limits SIV reservoir establishment to delay or prevent post-treatment viral rebound. <i>Nature Medicine</i> , 2018, 24, 1430-1440.	15.2	98
40	Pathogen-derived HLA-E bound epitopes reveal broad primary anchor pocket tolerability and conformationally malleable peptide binding. <i>Nature Communications</i> , 2018, 9, 3137.	5.8	57
41	Unusual antigen presentation offers new insight into HIV vaccine design. <i>Current Opinion in Immunology</i> , 2017, 46, 75-81.	2.4	12
42	CD8+ T cell programming by cytomegalovirus vectors: applications in prophylactic and therapeutic vaccination. <i>Current Opinion in Immunology</i> , 2017, 47, 52-56.	2.4	64
43	Human Cytomegalovirus Induces Cellular and Humoral Virus-specific Immune Responses in Humanized BLT Mice. <i>Scientific Reports</i> , 2017, 7, 937.	1.6	39
44	In Situ Staining and Laser Capture Microdissection of Lymph Node Residing SIV Gag-Specific CD8+ T cells—A Tool to Interrogate a Functional Immune Response Ex Vivo. <i>PLoS ONE</i> , 2016, 11, e0149907.	1.1	3
45	Cross-Species Rhesus Cytomegalovirus Infection of Cynomolgus Macaques. <i>PLoS Pathogens</i> , 2016, 12, e1006014.	2.1	35
46	Effect of Anti-IL-15 Administration on T Cell and NK Cell Homeostasis in Rhesus Macaques. <i>Journal of Immunology</i> , 2016, 197, 1183-1198.	0.4	46
47	Antiviral CD8+ T Cells Restricted by Human Leukocyte Antigen Class II Exist during Natural HIV Infection and Exhibit Clonal Expansion. <i>Immunity</i> , 2016, 45, 917-930.	6.6	59
48	Epigraph: A Vaccine Design Tool Applied to an HIV Therapeutic Vaccine and a Pan-Filovirus Vaccine. <i>Scientific Reports</i> , 2016, 6, 33987.	1.6	35
49	Broadly targeted CD8 <sup>+</sup> T cell responses restricted by major histocompatibility complex E. <i>Science</i> , 2016, 351, 714-720.	6.0	260
50	A new perspective of the structural complexity of HCMV-specific T-cell responses. <i>Mechanisms of Ageing and Development</i> , 2016, 158, 14-22.	2.2	30
51	Natural Killer Cell Evasion Is Essential for Infection by Rhesus Cytomegalovirus. <i>PLoS Pathogens</i> , 2016, 12, e1005868.	2.1	35
52	Seeking ultimate victory. <i>Nature</i> , 2015, 517, 281-282.	18.7	3
53	Short Conserved Sequences of HIV-1 Are Highly Immunogenic and Shift Immunodominance. <i>Journal of Virology</i> , 2015, 89, 1195-1204.	1.5	27
54	B cell follicle sanctuary permits persistent productive simian immunodeficiency virus infection in elite controllers. <i>Nature Medicine</i> , 2015, 21, 132-139.	15.2	439

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55	Vaccine-Induced Linear Epitope-Specific Antibodies to Simian Immunodeficiency Virus SIVmac239 Envelope Are Distinct from Those Induced to the Human Immunodeficiency Virus Type 1 Envelope in Nonhuman Primates. <i>Journal of Virology</i> , 2015, 89, 8643-8650.	1.5	42
56	Effect of IL-7 Therapy on Naive and Memory T Cell Homeostasis in Aged Rhesus Macaques. <i>Journal of Immunology</i> , 2015, 195, 4292-4305.	0.4	45
57	Are effector memory <sc>T</sc> cells the key to an effective <sc>HIV</sc> / <sc>AIDS</sc> vaccine?. <i>EMBO Reports</i> , 2014, 15, 820-821.	2.0	9
58	Heterogeneity of CD4+ and CD8+ T-cell Responses to Cytomegalovirus in HIV-Infected and HIV-Uninfected Men Who Have Sex With Men. <i>Journal of Infectious Diseases</i> , 2014, 210, 400-404.	1.9	29
59	Molecularly Tagged Simian Immunodeficiency Virus SIVmac239 Synthetic Swarm for Tracking Independent Infection Events. <i>Journal of Virology</i> , 2014, 88, 8077-8090.	1.5	46
60	Novel vaccine vectors for HIV-1. <i>Nature Reviews Microbiology</i> , 2014, 12, 765-771.	13.6	80
61	Cytomegalovirus pp65 limits dissemination but is dispensable for persistence. <i>Journal of Clinical Investigation</i> , 2014, 124, 1928-1944.	3.9	30
62	Quantification of T Cell Antigen-specific Memory Responses in Rhesus Macaques, Using Cytokine Flow Cytometry (CFC, also Known as ICS and ICCS): Analysis of Flow Data. <i>Bio-protocol</i> , 2014, 4, .	0.2	7
63	Antibodies advance the search for a cure. <i>Nature</i> , 2013, 503, 207-208.	13.7	6
64	Another HIV vaccine failure: where to next?. <i>Nature Medicine</i> , 2013, 19, 1576-1577.	15.2	17
65	Immune clearance of highly pathogenic SIV infection. <i>Nature</i> , 2013, 502, 100-104.	13.7	548
66	<sc>CD</sc>4<sup>+</sup> T cell depletion in <sc>HIV</sc> infection: mechanisms of immunological failure. <i>Immunological Reviews</i> , 2013, 254, 54-64.	2.8	412
67	Cytomegalovirus Vectors Violate CD8 <sup>+</sup> T Cell Epitope Recognition Paradigms. <i>Science</i> , 2013, 340, 1237874.	6.0	397
68	Development of replication-competent viral vectors for HIV vaccine delivery. <i>Current Opinion in HIV and AIDS</i> , 2013, 8, 402-411.	1.5	58
69	Polyinosinic-Polycytidylic Acid Is the Most Effective TLR Adjuvant for SIV Gag Protein-Induced T Cell Responses In Nonhuman Primates. <i>Journal of Immunology</i> , 2013, 190, 4103-4115.	0.4	49
70	Roadblocks to translational challenges on viral pathogenesis. <i>Nature Medicine</i> , 2013, 19, 30-34.	15.2	7
71	Glycosylation of Simian Immunodeficiency Virus Influences Immune-Tissue Targeting during Primary Infection, Leading to Immunodeficiency or Viral Control. <i>Journal of Virology</i> , 2012, 86, 9323-9336.	1.5	6
72	Dynamics of Simian Immunodeficiency Virus SIVmac239 Infection in Pigtail Macaques. <i>Journal of Virology</i> , 2012, 86, 1203-1213.	1.5	55

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73	Lymph node T cell responses predict the efficacy of live attenuated SIV vaccines. <i>Nature Medicine</i> , 2012, 18, 1673-1681.	15.2	130
74	Hidden Memories: Frontline Memory T Cells and Early Pathogen Interception. <i>Journal of Immunology</i> , 2012, 188, 5811-5817.	0.4	126
75	Naive T cells are dispensable for memory CD4+ T cell homeostasis in progressive simian immunodeficiency virus infection. <i>Journal of Experimental Medicine</i> , 2012, 209, 641-651.	4.2	26
76	New Paradigms for HIV/AIDS Vaccine Development. <i>Annual Review of Medicine</i> , 2012, 63, 95-111.	5.0	139
77	Profound early control of highly pathogenic SIV by an effector memory T-cell vaccine. <i>Nature</i> , 2011, 473, 523-527.	13.7	902
78	HIV-1 Vaccines and Adaptive Trial Designs. <i>Science Translational Medicine</i> , 2011, 3, 79ps13.	5.8	60
79	Cytomegalovirus-Specific T Cell Immunity Is Maintained in Immunosenescent Rhesus Macaques. <i>Journal of Immunology</i> , 2011, 187, 1722-1732.	0.4	61
80	Evasion of CD8 <sup>+</sup> T Cells Is Critical for Superinfection by Cytomegalovirus. <i>Science</i> , 2010, 328, 102-106.	6.0	238
81	Increased CD4+ T Cell Levels during IL-7 Administration of Antiretroviral Therapy-Treated Simian Immunodeficiency Virus-Positive Macaques Are Not Dependent on Strong Proliferative Responses. <i>Journal of Immunology</i> , 2010, 185, 1650-1659.	0.4	33
82	IL-2, IL-7 and IL-15 as Immuno-Modulators During SIV/HIV Vaccination and Treatment. <i>Current HIV Research</i> , 2009, 7, 83-90.	0.2	47
83	Profound CD4+/CCR5+ T cell expansion is induced by CD8+ lymphocyte depletion but does not account for accelerated SIV pathogenesis. <i>Journal of Experimental Medicine</i> , 2009, 206, 1575-1588.	4.2	77
84	Effector memory T cell responses are associated with protection of rhesus monkeys from mucosal simian immunodeficiency virus challenge. <i>Nature Medicine</i> , 2009, 15, 293-299.	15.2	621
85	Induction and Evolution of Cytomegalovirus-Specific CD4+ T Cell Clonotypes in Rhesus Macaques. <i>Journal of Immunology</i> , 2008, 180, 269-280.	0.4	31
86	Pathogenic mechanisms in simian immunodeficiency virus infection. <i>Current Opinion in HIV and AIDS</i> , 2008, 3, 380-386.	1.5	18
87	Progressive CD4+ centralâ€“memory T cell decline results in CD4+ effectorâ€“memory insufficiency and overt disease in chronic SIV infection. <i>Journal of Experimental Medicine</i> , 2007, 204, 2171-2185.	4.2	257
88	Pathogenesis of HIV infection: what the virus spares is as important as what it destroys. <i>Nature Medicine</i> , 2006, 12, 289-295.	15.2	409
89	Microbial translocation is a cause of systemic immune activation in chronic HIV infection. <i>Nature Medicine</i> , 2006, 12, 1365-1371.	15.2	3,107
90	Immunopathogenesis of acute AIDS virus infection. <i>Current Opinion in Immunology</i> , 2006, 18, 399-405.	2.4	129

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91	Vaccine-Induced Cellular Immune Responses Reduce Plasma Viral Concentrations after Repeated Low-Dose Challenge with Pathogenic Simian Immunodeficiency Virus SIVmac239. <i>Journal of Virology</i> , 2006, 80, 5875-5885.	1.5	237
92	IL-15 induces CD4+ effector memory T cell production and tissue emigration in nonhuman primates. <i>Journal of Clinical Investigation</i> , 2006, 116, 1514-1524.	3.9	181
93	HIV pathogenesis: the first cut is the deepest. <i>Nature Immunology</i> , 2005, 6, 430-432.	7.0	86
94	Broadly targeted human cytomegalovirus-specific CD4+ and CD8+ T cells dominate the memory compartments of exposed subjects. <i>Journal of Experimental Medicine</i> , 2005, 202, 673-685.	4.2	1,205
95	Multicolor Flow Cytometric Analysis in SIV-Infected Rhesus Macaque. <i>Methods in Cell Biology</i> , 2004, 75, 535-557.	0.5	27
96	Insufficient Production and Tissue Delivery of CD4+Memory T Cells in Rapidly Progressive Simian Immunodeficiency Virus Infection. <i>Journal of Experimental Medicine</i> , 2004, 200, 1299-1314.	4.2	288
97	T CELLDYNAMICS INHIV-1 INFECTION. <i>Annual Review of Immunology</i> , 2003, 21, 265-304.	9.5	498
98	Major Histocompatibility Complex Class I Alleles Associated with Slow Simian Immunodeficiency Virus Disease Progression Bind Epitopes Recognized by Dominant Acute-Phase Cytotoxic-T-Lymphocyte Responses. <i>Journal of Virology</i> , 2003, 77, 9029-9040.	1.5	170
99	Immunization of Rhesus Macaques with a DNA Prime/Modified Vaccinia Virus Ankara Boost Regimen Induces Broad Simian Immunodeficiency Virus (SIV)-Specific T-Cell Responses and Reduces Initial Viral Replication but Does Not Prevent Disease Progression following Challenge with Pathogenic SIVmac239. <i>Journal of Virology</i> , 2002, 76, 7187-7202.	1.5	185
100	Development and Homeostasis of T Cell Memory in Rhesus Macaque. <i>Journal of Immunology</i> , 2002, 168, 29-43.	0.4	444
101	Decay Kinetics of Human Immunodeficiency Virus-Specific CD8 + T Cells in Peripheral Blood after Initiation of Highly Active Antiretroviral Therapy. <i>Journal of Virology</i> , 2001, 75, 6508-6516.	1.5	162
102	The CD4+ T cell response to HIV-1. <i>Current Opinion in Immunology</i> , 2000, 12, 381-386.	2.4	46
103	Immunofluorescence analysis of T-cell responses in health and disease. <i>Journal of Clinical Immunology</i> , 2000, 20, 391-399.	2.0	46
104	De Novo CD5+ Diffuse Large B-Cell Lymphomas. <i>American Journal of Clinical Pathology</i> , 2000, 114, 523-533.	0.4	49
105	Proving HIV-1 immunity: new tools offer new opportunities. <i>Journal of Clinical Investigation</i> , 2000, 105, 1333-1334.	3.9	4
106	HIV-1-specific CD4+ T cells are detectable in most individuals with active HIV-1 infection, but decline with prolonged viral suppression. <i>Nature Medicine</i> , 1999, 5, 518-525.	15.2	712
107	Distribution of human CMV-specific memory T cells among the CD8pos. subsets defined by CD57, CD27, and CD45 isoforms. <i>European Journal of Immunology</i> , 1999, 29, 2908-2915.	1.6	142
108	Changes in thymic function with age and during the treatment of HIV infection. <i>Nature</i> , 1998, 396, 690-695.	13.7	1,778

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109	Identification of functional subsets by flow cytometry: Intracellular detection of cytokine expression. , 1998, 34, 207-215.		188
110	Human recombinant interferon- $\gamma$ influences T helper subset differentiation by regulating cytokine secretion pattern and expression of homing receptors. European Journal of Immunology, 1997, 27, 2650-2656.	1.6	56
111	Skin disease-related T cells bind to endothelial selectins: expression of cutaneous lymphocyte antigen (CLA) predicts E-selectin but not P-selectin binding. European Journal of Immunology, 1994, 24, 205-210.	1.6	130
112	Differential expression of lymphocyte homing receptors by human memory/effector T cells in pulmonary versus cutaneous immune effector sites. European Journal of Immunology, 1994, 24, 1269-1277.	1.6	189
113	Coordinate expression of $\beta$ 1 and $\beta$ 2 integrin $\alpha$ -activation $\beta$ -epitopes during T cell responses in secondary lymphoid tissue. European Journal of Immunology, 1993, 23, 2751-2757.	1.6	46
114	Antigen-Specific Cytokine Responses in HIV Disease. , 0, , 371-382.		0