## Louis J Picker

List of Publications by Year in descending order

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		47006	23533
114	17,642	47	111
papers	citations	h-index	g-index
104	104	104	14467
124	124	124	14467
all docs	docs citations	times ranked	citing authors

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#	Article	IF	CITATIONS
1	The ingenol-based protein kinase C agonist GSK445A is a potent inducer of HIV and SIV RNA transcription. PLoS Pathogens, 2022, 18, e1010245.	4.7	11
2	Rapamycin limits CD4+ T cell proliferation in simian immunodeficiency virus–infected rhesus macaques on antiretroviral therapy. Journal of Clinical Investigation, 2022, 132, .	8.2	5
3	BFF and cellhashR: analysis tools for accurate demultiplexing of cell hashing data. Bioinformatics, 2022, 38, 2791-2801.	4.1	8
4	Myeloid cell tropism enables MHC-E–restricted CD8 <sup>+</sup> T cell priming and vaccine efficacy by the RhCMV/SIV vaccine. Science Immunology, 2022, 7, .	11.9	16
5	Ultra-low Dose Aerosol Infection of Mice with Mycobacterium tuberculosis More Closely Models Human Tuberculosis. Cell Host and Microbe, 2021, 29, 68-82.e5.	11.0	62
6	HLA-E–restricted, Gag-specific CD8 <sup>+</sup> T cells can suppress HIV-1 infection, offering vaccine opportunities. Science Immunology, 2021, 6, .	11.9	35
7	Evaluating a New Class of AKT/mTOR Activators for HIV Latency-Reversing Activity <i>Ex Vivo</i> and <i>In Vivo</i> . Journal of Virology, 2021, 95, .	3.4	13
8	Cytomegaloviral determinants of CD8 <sup>+</sup> T cell programming and RhCMV/SIV vaccine efficacy. Science Immunology, 2021, 6, .	11.9	34
9	Modulation of MHC-E transport by viral decoy ligands is required for RhCMV/SIV vaccine efficacy. Science, 2021, 372, .	12.6	32
10	CD8+ T cells fail to limit SIV reactivation following ART withdrawal until after viral amplification. Journal of Clinical Investigation, 2021, 131, .	8.2	18
11	TGFβ restricts expansion, survival, and function of TÂcells within the tuberculous granuloma. Cell Host and Microbe, 2021, 29, 594-606.e6.	11.0	41
12	Interleukin-15 response signature predicts RhCMV/SIV vaccine efficacy. PLoS Pathogens, 2021, 17, e1009278.	4.7	18
13	Immune inactivation of anti-simian immunodeficiency virus chimeric antigen receptor TÂcells in rhesus macaques. Molecular Therapy - Methods and Clinical Development, 2021, 22, 304-319.	4.1	5
14	Identification and Characterization of Antigen-Specific CD8+ T Cells Using Surface-Trapped TNF-α and Single-Cell Sequencing. Journal of Immunology, 2021, , ji2100535.	0.8	2
15	Sequence diversity analyses of an improved rhesus macaque genome enhance its biomedical utility. Science, 2020, 370, .	12.6	105
16	The Identity of Human Tissue-Emigrant CD8+ T Cells. Cell, 2020, 183, 1946-1961.e15.	28.9	58
17	MHC-E–Restricted CD8+ T Cells Target Hepatitis B Virus–Infected Human Hepatocytes. Journal of Immunology, 2020, 204, 2169-2176.	0.8	17
18	In vitro and in vivo characterization of a recombinant rhesus cytomegalovirus containing a complete genome. PLoS Pathogens, 2020, 16, e1008666.	4.7	20

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19	Systematic Profiling of Full-Length Ig and TCR Repertoire Diversity in Rhesus Macaque through Long Read Transcriptome Sequencing. Journal of Immunology, 2020, 204, 3434-3444.	0.8	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. Science Translational Medicine, 2019, 11, .	12.4	23
25	A live-attenuated RhCMV/SIV vaccine shows long-term efficacy against heterologous SIV challenge. Science Translational Medicine, 2019, 11, .	12.4	80
26	The Landscape of Persistent Viral Genomes in ART-Treated SIV, SHIV, and HIV-2 Infections. Cell Host and Microbe, 2019, 26, 73-85.e4.	11.0	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. Journal of Virology, 2019, 93, .	3.4	5
28	Role of IL-15 Signaling in the Pathogenesis of Simian Immunodeficiency Virus Infection in Rhesus Macaques. Journal of Immunology, 2019, 203, 2928-2943.	0.8	8
29	Cytomegalovirus vectors expressing Plasmodium knowlesi antigens induce immune responses that delay parasitemia upon sporozoite challenge. PLoS ONE, 2019, 14, e0210252.	2.5	32
30	Casting a wider net: Immunosurveillance by nonclassical MHC molecules. PLoS Pathogens, 2019, 15, e1007567.	4.7	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. Journal of Virology, 2019, 94, .	3.4	24
32	Characterization of a live-attenuated HCMV-based vaccine platform. Scientific Reports, 2019, 9, 19236.	3.3	26
33	Lymph nodes as barriers to T ell rejuvenation in aging mice and nonhuman primates. Aging Cell, 2019, 18, e12865.	6.7	54
34	Acute Infection and Subsequent Subclinical Reactivation of Herpes Simplex Virus 2 after Vaginal Inoculation of Rhesus Macaques. Journal of Virology, 2019, 93, .	3.4	11
35	Identification and Functional Characterization of a Novel Fc Gamma-Binding Glycoprotein in Rhesus Cytomegalovirus. Journal of Virology, 2019, 93, .	3.4	14
36	Prevention of tuberculosis in rhesus macaques by a cytomegalovirus-based vaccine. Nature Medicine, 2018, 24, 130-143.	30.7	225

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37	Potent Immune Modulation by MEDI6383, an Engineered Human OX40 Ligand IgG4P Fc Fusion Protein. Molecular Cancer Therapeutics, 2018, 17, 1024-1038.	4.1	31
38	The Role of MHC-E in T Cell Immunity Is Conserved among Humans, Rhesus Macaques, and Cynomolgus Macaques. Journal of Immunology, 2018, 200, 49-60.	0.8	54
39	Early antiretroviral therapy limits SIV reservoir establishment to delay or prevent post-treatment viral rebound. Nature Medicine, 2018, 24, 1430-1440.	30.7	98
40	Pathogen-derived HLA-E bound epitopes reveal broad primary anchor pocket tolerability and conformationally malleable peptide binding. Nature Communications, 2018, 9, 3137.	12.8	57
41	Unusual antigen presentation offers new insight into HIV vaccine design. Current Opinion in Immunology, 2017, 46, 75-81.	5.5	12
42	CD8+ T cell programming by cytomegalovirus vectors: applications in prophylactic and therapeutic vaccination. Current Opinion in Immunology, 2017, 47, 52-56.	5.5	64
43	Human Cytomegalovirus Induces Cellular and Humoral Virus-specific Immune Responses in Humanized BLT Mice. Scientific Reports, 2017, 7, 937.	3.3	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. PLoS ONE, 2016, 11, e0149907.	2.5	3
45	Cross-Species Rhesus Cytomegalovirus Infection of Cynomolgus Macaques. PLoS Pathogens, 2016, 12, e1006014.	4.7	35
46	Effect of Anti–IL-15 Administration on T Cell and NK Cell Homeostasis in Rhesus Macaques. Journal of Immunology, 2016, 197, 1183-1198.	0.8	46
47	Antiviral CD8+ T Cells Restricted by Human Leukocyte Antigen Class II Exist during Natural HIV Infection and Exhibit Clonal Expansion. Immunity, 2016, 45, 917-930.	14.3	59
48	Epigraph: A Vaccine Design Tool Applied to an HIV Therapeutic Vaccine and a Pan-Filovirus Vaccine. Scientific Reports, 2016, 6, 33987.	3.3	35
49	Broadly targeted CD8 <sup>+</sup> T cell responses restricted by major histocompatibility complex E. Science, 2016, 351, 714-720.	12.6	260
50	A new perspective of the structural complexity of HCMV-specific T-cell responses. Mechanisms of Ageing and Development, 2016, 158, 14-22.	4.6	30
51	Natural Killer Cell Evasion Is Essential for Infection by Rhesus Cytomegalovirus. PLoS Pathogens, 2016, 12, e1005868.	4.7	35
52	Seeking ultimate victory. Nature, 2015, 517, 281-282.	27.8	3
53	Short Conserved Sequences of HIV-1 Are Highly Immunogenic and Shift Immunodominance. Journal of Virology, 2015, 89, 1195-1204.	3.4	27
54	B cell follicle sanctuary permits persistent productive simian immunodeficiency virus infection in elite controllers. Nature Medicine, 2015, 21, 132-139.	30.7	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. Journal of Virology, 2015, 89, 8643-8650.	3.4	42
56	Effect of IL-7 Therapy on Naive and Memory T Cell Homeostasis in Aged Rhesus Macaques. Journal of Immunology, 2015, 195, 4292-4305.	0.8	45
57	Are effector memory <scp>T</scp> cells the key to an effective <scp>HIV</scp> / <scp>AIDS</scp> vaccine?. EMBO Reports, 2014, 15, 820-821.	4.5	9
58	Heterogeneity of CD4+ and CD8+ T-cell Responses to Cytomegalovirus in HIV-Infected and HIV-Uninfected Men Who Have Sex With Men. Journal of Infectious Diseases, 2014, 210, 400-404.	4.0	29
59	Molecularly Tagged Simian Immunodeficiency Virus SIVmac239 Synthetic Swarm for Tracking Independent Infection Events. Journal of Virology, 2014, 88, 8077-8090.	3.4	46
60	Novel vaccine vectors for HIV-1. Nature Reviews Microbiology, 2014, 12, 765-771.	28.6	80
61	Cytomegalovirus pp65 limits dissemination but is dispensable for persistence. Journal of Clinical Investigation, 2014, 124, 1928-1944.	8.2	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. Bio-protocol, 2014, 4, .	0.4	7
63	Antibodies advance the search for a cure. Nature, 2013, 503, 207-208.	27.8	6
64	Another HIV vaccine failure: where to next?. Nature Medicine, 2013, 19, 1576-1577.	30.7	17
65	Immune clearance of highly pathogenic SIV infection. Nature, 2013, 502, 100-104.	27.8	548
66	<scp>CD</scp> 4 <sup>+</sup> T ell depletion in <scp>HIV</scp> infection: mechanisms of immunological failure. Immunological Reviews, 2013, 254, 54-64.	6.0	412
67	Cytomegalovirus Vectors Violate CD8 <sup>+</sup> T Cell Epitope Recognition Paradigms. Science, 2013, 340, 1237874.	12.6	397
68	Development of replication-competent viral vectors for HIV vaccine delivery. Current Opinion in HIV and AIDS, 2013, 8, 402-411.	3.8	58
69	Polyinosinic-Polycytidylic Acid Is the Most Effective TLR Adjuvant for SIV Gag Protein–Induced T Cell Responses In Nonhuman Primates. Journal of Immunology, 2013, 190, 4103-4115.	0.8	49
70	Roadblocks to translational challenges on viral pathogenesis. Nature Medicine, 2013, 19, 30-34.	30.7	7
71	Glycosylation of Simian Immunodeficiency Virus Influences Immune-Tissue Targeting during Primary Infection, Leading to Immunodeficiency or Viral Control. Journal of Virology, 2012, 86, 9323-9336.	3.4	6
72	Dynamics of Simian Immunodeficiency Virus SIVmac239 Infection in Pigtail Macaques. Journal of Virology, 2012, 86, 1203-1213.	3.4	55

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73	Lymph node T cell responses predict the efficacy of live attenuated SIV vaccines. Nature Medicine, 2012, 18, 1673-1681.	30.7	130
74	Hidden Memories: Frontline Memory T Cells and Early Pathogen Interception. Journal of Immunology, 2012, 188, 5811-5817.	0.8	126
75	Naive T cells are dispensable for memory CD4+ T cell homeostasis in progressive simian immunodeficiency virus infection. Journal of Experimental Medicine, 2012, 209, 641-651.	8.5	26
76	New Paradigms for HIV/AIDS Vaccine Development. Annual Review of Medicine, 2012, 63, 95-111.	12.2	139
77	Profound early control of highly pathogenic SIV by an effector memory T-cell vaccine. Nature, 2011, 473, 523-527.	27.8	902
78	HIV-1 Vaccines and Adaptive Trial Designs. Science Translational Medicine, 2011, 3, 79ps13.	12.4	60
79	Cytomegalovirus-Specific T Cell Immunity Is Maintained in Immunosenescent Rhesus Macaques. Journal of Immunology, 2011, 187, 1722-1732.	0.8	61
80	Evasion of CD8 <sup>+</sup> T Cells Is Critical for Superinfection by Cytomegalovirus. Science, 2010, 328, 102-106.	12.6	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. Journal of Immunology, 2010, 185, 1650-1659.	0.8	33
82	IL-2, IL-7 and IL-15 as Immuno-Modulators During SIV/HIV Vaccination and Treatment. Current HIV Research, 2009, 7, 83-90.	0.5	47
83	Profound CD4+/CCR5+ T cell expansion is induced by CD8+ lymphocyte depletion but does not account for accelerated SIV pathogenesis. Journal of Experimental Medicine, 2009, 206, 1575-1588.	8.5	77
84	Effector memory T cell responses are associated with protection of rhesus monkeys from mucosal simian immunodeficiency virus challenge. Nature Medicine, 2009, 15, 293-299.	30.7	621
85	Induction and Evolution of Cytomegalovirus-Specific CD4+ T Cell Clonotypes in Rhesus Macaques. Journal of Immunology, 2008, 180, 269-280.	0.8	31
86	Pathogenic mechanisms in simian immunodeficiency virus infection. Current Opinion in HIV and AIDS, 2008, 3, 380-386.	3.8	18
87	Progressive CD4+ central–memory T cell decline results in CD4+ effector–memory insufficiency and overt disease in chronic SIV infection. Journal of Experimental Medicine, 2007, 204, 2171-2185.	8.5	257
88	Pathogenesis of HIV infection: what the virus spares is as important as what it destroys. Nature Medicine, 2006, 12, 289-295.	30.7	409
89	Microbial translocation is a cause of systemic immune activation in chronic HIV infection. Nature Medicine, 2006, 12, 1365-1371.	30.7	3,107
90	Immunopathogenesis of acute AIDS virus infection. Current Opinion in Immunology, 2006, 18, 399-405.	5.5	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. Journal of Virology, 2006, 80, 5875-5885.	3.4	237
92	IL-15 induces CD4+ effector memory T cell production and tissue emigration in nonhuman primates. Journal of Clinical Investigation, 2006, 116, 1514-1524.	8.2	181
93	HIV pathogenesis: the first cut is the deepest. Nature Immunology, 2005, 6, 430-432.	14.5	86
94	Broadly targeted human cytomegalovirus-specific CD4 <b>+</b> and CD8 <b>+</b> T cells dominate the memory compartments of exposed subjects. Journal of Experimental Medicine, 2005, 202, 673-685.	8.5	1,205
95	Multicolor Flow Cytometric Analysis in SIV-Infected Rhesus Macaque. Methods in Cell Biology, 2004, 75, 535-557.	1.1	27
96	Insufficient Production and Tissue Delivery of CD4+Memory T Cells in Rapidly Progressive Simian Immunodeficiency Virus Infection. Journal of Experimental Medicine, 2004, 200, 1299-1314.	8.5	288
97	T Cell Dynamics in HIV-1 Infection. Annual Review of Immunology, 2003, 21, 265-304.	21.8	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. Journal of Virology, 2003, 77, 9029-9040.	3.4	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, Journal of Virology, 2002, 76, 7187-7202.	3.4	185
100	Development and Homeostasis of T Cell Memory in Rhesus Macaque. Journal of Immunology, 2002, 168, 29-43.	0.8	444
101	Decay Kinetics of Human Immunodeficiency Virus-Specific CD8 + T Cells in Peripheral Blood after Initiation of Highly Active Antiretroviral Therapy. Journal of Virology, 2001, 75, 6508-6516.	3.4	162
102	The CD4+ T cell response to HIV-1. Current Opinion in Immunology, 2000, 12, 381-386.	5.5	46
103	Immunofluorescence analysis of T-cell responses in health and disease. Journal of Clinical Immunology, 2000, 20, 391-399.	3.8	46
104	De Novo CD5+ Diffuse Large B-Cell Lymphomas. American Journal of Clinical Pathology, 2000, 114, 523-533.	0.7	49
105	Proving HIV-1 immunity: new tools offer new opportunities. Journal of Clinical Investigation, 2000, 105, 1333-1334.	8.2	4
106	HIV-1-specific CD4+ T cells are detectable in most individuals with active HIV-1 infection, but decline with prolonged viral suppression. Nature Medicine, 1999, 5, 518-525.	30.7	712
107	Distribution of human CMV-specific memory T cells among the CD8pos. subsets defined by CD57, CD27, and CD45 isoforms. European Journal of Immunology, 1999, 29, 2908-2915.	2.9	142
108	Changes in thymic function with age and during the treatment of HIV infection. Nature, 1998, 396, 690-695.	27.8	1,778

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109	Identification of functional subsets by flow cytometry: Intracellular detection of cytokine expression. Cytometry, 1998, 34, 207-215.	1.8	188
110	Human recombinant interferon-Î <sup>2</sup> influences T helper subset differentiation by regulating cytokine secretion pattern and expression of homing receptors. European Journal of Immunology, 1997, 27, 2650-2656.	2.9	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.	2.9	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.	2.9	189
113	Coordinate expression of β1 and β2 integrin "activation―epitopes during T cell responses in secondary lymphoid tissue. European Journal of Immunology, 1993, 23, 2751-2757.	2.9	46
114	Antigen-Specific Cytokine Responses in HIV Disease. , 0, , 371-382.		0

Antigen-Specific Cytokine Responses in HIV Disease. , 0, , 371-382. 114