Vijayakumar Velu

List of Publications by Year
in descending order

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83	3,312	172457	155660
papers	citations	29 h-index	55 g-index

85	85	85	5089
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Enhancing SIV-specific immunity in vivo by PD-1 blockade. Nature, 2009, 458, 206-210.	27.8	699
2	PD-1 blockade during chronic SIV infection reduces hyperimmune activation and microbial translocation in rhesus macaques. Journal of Clinical Investigation, 2012, 122, 1712-1716.	8.2	138
3	Acute depletion of activated memory B cells involves the PD-1 pathway in rapidly progressing SIV-infected macaques. Journal of Clinical Investigation, 2010, 120, 3878-3890.	8.2	123
4	Elevated Expression Levels of Inhibitory Receptor Programmed Death 1 on Simian Immunodeficiency Virus-Specific CD8 T Cells during Chronic Infection but Not after Vaccination. Journal of Virology, 2007, 81, 5819-5828.	3.4	119
5	Role of PD-1 co-inhibitory pathway in HIV infection and potential therapeutic options. Retrovirology, 2015, 12, 14.	2.0	119
6	Dynamics of SIV-specific CXCR5+ CD8 T cells during chronic SIV infection. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 1976-1981.	7.1	119
7	Induction of Th1-Biased T Follicular Helper (Tfh) Cells in Lymphoid Tissues during Chronic Simian Immunodeficiency Virus Infection Defines Functionally Distinct Germinal Center Tfh Cells. Journal of Immunology, 2016, 197, 1832-1842.	0.8	116
8	Molecular signatures of T-cell inhibition in HIV-1 infection. Retrovirology, 2013, 10, 31.	2.0	97
9	Attrition of TCR VÎ±7.2+ CD161++ MAIT Cells in HIV-Tuberculosis Co-Infection Is Associated with Elevated Levels of PD-1 Expression. PLoS ONE, 2015, 10, e0124659.	2.5	85
10	Combination antiâ€“PD-1 and antiretroviral therapy provides therapeutic benefit against SIV. JCI Insight, 2018, 3, .	5.0	83
11	Hyper-Expression of PD-1 Is Associated with the Levels of Exhausted and Dysfunctional Phenotypes of Circulating CD161++TCR iVÎ±7.2+ Mucosal-Associated Invariant T Cells in Chronic Hepatitis B Virus Infection. Frontiers in Immunology, 2018, 9, 472.	4.8	78
12	Coinfection of hepatitis B and hepatitis C virus in HIV-infected patients in south India. World Journal of Gastroenterology, 2007, 13, 5015.	3.3	77
13	Peripheral loss of <scp>CD</scp>8⁺<scp>CD</scp>161⁺⁺<scp>TCRV</scp>Î±7Â·2⁺ mucosalâ€associated invariant T cells in chronic hepatitis C virusâ€infected patients. European Journal of Clinical Investigation, 2016, 46, 170-180.	3.4	75
14	Loss of IL-17â€“Producing CD8 T Cells during Late Chronic Stage of Pathogenic Simian Immunodeficiency Virus Infection. Journal of Immunology, 2011, 186, 745-753.	0.8	73
15	Expansion of FOXP3+ CD8 T Cells with Suppressive Potential in Colorectal Mucosa Following a Pathogenic Simian Immunodeficiency Virus Infection Correlates with Diminished Antiviral T Cell Response and Viral Control. Journal of Immunology, 2010, 184, 1690-1701.	0.8	72
16	Immune Biomarkers for Diagnosis and Treatment Monitoring of Tuberculosis: Current Developments and Future Prospects. Frontiers in Microbiology, 2019, 10, 2789.	3.5	66
17	HIV-Mycobacterium tuberculosisco-infection: a â€˜danger-couple modelâ€™ of disease pathogenesis. Pathogens and Disease, 2014, 70, 110-118.	2.0	65
18	Relative Transmissibility of an R5 Clade C Simianâ€Human Immunodeficiency Virus Across Different Mucosae in Macaques Parallels the Relative Risks of Sexual HIVâ€1 Transmission in Humans via Different Routes. Journal of Infectious Diseases, 2010, 201, 1155-1163.	4.0	60

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19	Maternal Antibody Response, Neutralizing Potency, and Placental Antibody Transfer After Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Infection. Obstetrics and Gynecology, 2021, 138, 189-197.	2.4	51
20	Decrease of CD69 levels on TCR VÎ±7.2⁺CD4⁺innate-like lymphocytes is associated with impaired cytotoxic functions in chronic hepatitis B virus-infected patients. Innate Immunity, 2017, 23, 459-467.	2.4	49
21	Mycobacterium tuberculosis components stimulate production of the antimicrobial peptide hepcidin. Tuberculosis, 2011, 91, 314-321.	1.9	48
22	Pulmonary Mycobacterium tuberculosis control associates with CXCR3- and CCR6-expressing antigen-specific Th1 and Th17 cell recruitment. JCI Insight, 2020, 5, .	5.0	47
23	Diminished Viral Control during Simian Immunodeficiency Virus Infection Is Associated with Aberrant PD-1hi CD4 T Cell Enrichment in the Lymphoid Follicles of the Rectal Mucosa. Journal of Immunology, 2014, 193, 4527-4536.	0.8	45
24	Challenges in animal modelling of mesenchymal stromal cell therapy for inflammatory bowel disease. World Journal of Gastroenterology, 2015, 21, 4779.	3.3	43
25	Chronic hepatitis C virus infection triggers spontaneous differential expression of biosignatures associated with T cell exhaustion and apoptosis signaling in peripheral blood mononucleocytes. Apoptosis: an International Journal on Programmed Cell Death, 2015, 20, 466-480.	4.9	41
26	Functional role of mucosal-associated invariant T cells in HIV infection. Journal of Leukocyte Biology, 2016, 100, 305-314.	3.3	40
27	Neutralization-Sensitive R5-Tropic Simian-Human Immunodeficiency Virus SHIV-2873Nip, Which Carries env Isolated from an Infant with a Recent HIV Clade C Infection. Journal of Virology, 2009, 83, 1422-1432.	3.4	37
28	Primeâ€“boost vaccination with heterologous live vectors encoding SIV gag and multimeric HIV-1 gp160 protein: Efficacy against repeated mucosal R5 clade C SHIV challenges. Vaccine, 2011, 29, 5611-5622.	3.8	35
29	Preexisting Vaccinia Virus Immunity Decreases SIV-Specific Cellular Immunity but Does Not Diminish Humoral Immunity and Efficacy of a DNA/MVA Vaccine. Journal of Immunology, 2010, 185, 7262-7273.	0.8	34
30	Tfh1 Cells in Germinal Centers During Chronic HIV/SIV Infection. Frontiers in Immunology, 2018, 9, 1272.	4.8	33
31	Antiretroviral therapy does not reduce tuberculosis reactivation in a tuberculosis-HIV coinfection model. Journal of Clinical Investigation, 2020, 130, 5171-5179.	8.2	31
32	Relationship between T-lymphocyte cytokine levels and sero-response to hepatitis B vaccines. World Journal of Gastroenterology, 2008, 14, 3534.	3.3	29
33	The prevalence of hepatitis B virus and hepatitis C virus infection among patients with chronic liver disease in South India. International Journal of Infectious Diseases, 2008, 12, 513-518.	3.3	25
34	Is Herd Immunity Against SARS-CoV-2 a Silver Lining?. Frontiers in Immunology, 2020, 11, 586781.	4.8	25
35	Clade C HIV-1 Envelope Vaccination Regimens Differ in Their Ability To Elicit Antibodies with Moderate Neutralization Breadth against Genetically Diverse Tier 2 HIV-1 Envelope Variants. Journal of Virology, 2019, 93, .	3.4	24
36	Does CD4+CD25+foxp3+ cell (Treg) and IL-10 profile determine susceptibility to immune reconstitution inflammatory syndrome (IRIS) in HIV disease?. Journal of Inflammation, 2008, 5, 2.	3.4	23

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37	High isolation rate of Staphylococcus aureus from surgical site infections in an Indian hospital. Journal of Antimicrobial Chemotherapy, 2008, 61, 758-760.	3.0	22
38	CD8+ T cells of chronic HCV-infected patients express multiple negative immune checkpoints following stimulation with HCV peptides. Cellular Immunology, 2017, 313, 1-9.	3.0	22
39	A live attenuated Listeria monocytogenes vaccine vector expressing SIV Gag is safe and immunogenic in macaques and can be administered repeatedly. Vaccine, 2011, 29, 476-486.	3.8	21
40	Regulation of CD8+ T-cell cytotoxicity in HIV-1 infection. Cellular Immunology, 2015, 298, 126-133.	3.0	21
41	Comparison of three different recombinant hepatitis B vaccines: GeneVac-B, Engerix B and Shanvac B in high risk infants born to HBsAg positive mothers in India. World Journal of Gastroenterology, 2007, 13, 3084.	3.3	21
42	Increased frequency of lateâ€senescent <scp>T</scp> cells lacking <scp>CD</scp>127 in chronic hepatitis <scp>C</scp> disease. European Journal of Clinical Investigation, 2015, 45, 466-474.	3.4	17
43	Transmission of "a" determinant variants of hepatitis B virus in immunized babies born to HBsAg carrier mothers. Japanese Journal of Infectious Diseases, 2008, 61, 73-6.	1.2	17
44	Transmission of hepatitis C virus infection from asymptomatic mother to child in southern India. International Journal of Infectious Diseases, 2009, 13, e394-e400.	3.3	16
45	High Prevalence of Hepatitis Delta Virus among Patients with Chronic Hepatitis B Virus Infection and HIV-1 in an Intermediate Hepatitis B Virus Endemic Region. Journal of the International Association of Providers of AIDS Care, 2014, 13, 85-90.	1.5	15
46	SARS-CoV-2 in Pregnant Women: Consequences of Vertical Transmission. Frontiers in Cellular and Infection Microbiology, 2021, 11, 717104.	3.9	15
47	Strong T _H 1-biased CD4 T cell responses are associated with diminished SIV vaccine efficacy. Science Translational Medicine, 2019, 11, .	12.4	14
48	Comparative Efficacy of Two Dosages of Recombinant Hepatitis B Vaccine in Healthy Adolescents in India. Pediatric Infectious Disease Journal, 2007, 26, 1038-1041.	2.0	13
49	Concurrent loss of co-stimulatory molecules and functional cytokine secretion attributes leads to proliferative senescence of CD8+ T cells in HIV/TB co-infection. Cellular Immunology, 2015, 297, 19-32.	3.0	13
50	Functional MAIT Cells Are Associated With Reduced Simianâ€“Human Immunodeficiency Virus Infection. Frontiers in Immunology, 2020, 10, 3053.	4.8	13
51	Human Immunodeficiency Virus C.1086 Envelope gp140 Protein Boosts following DNA/Modified Vaccinia Virus Ankara Vaccination Fail To Enhance Heterologous Anti-V1V2 Antibody Response and Protection against Clade C Simian-Human Immunodeficiency Virus Challenge. Journal of Virology, 2019, 93, .	3.4	12
52	Recent advances targeting innate immunityâ€mediated therapies against HIVâ€1 infection. Microbiology and Immunology, 2012, 56, 497-505.	1.4	11
53	Chronic inflammation involves CCL11 and IL-13 to facilitate the development of liver cirrhosis and fibrosis in chronic hepatitis B virus infection. Scandinavian Journal of Clinical and Laboratory Investigation, 2021, 81, 147-159.	1.2	11
54	Lymph node CXCR5+ NK cells associate with control of chronic SHIV infection. JCI Insight, 2022, 7, .	5.0	11

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55	Hydrothorax in association with Scopulariopsis brumptii in an AIDS patient in Chennai, India. Transactions of the Royal Society of Tropical Medicine and Hygiene, 2007, 101, 1270-1272.	1.8	10
56	Current Views on the Pathophysiology of GB Virus C Coinfection with HIV-1 Infection. Current Infectious Disease Reports, 2011, 13, 47-52.	3.0	10
57	Mechanistic insights on immunosenescence and chronic immune activation in HIV-tuberculosis co-infection. World Journal of Virology, 2015, 4, 17.	2.9	10
58	Seroprevalence of hepatitis delta virus infection among subjects with underlying hepatic diseases in Chennai, southern India. Transactions of the Royal Society of Tropical Medicine and Hygiene, 2008, 102, 793-796.	1.8	7
59	Asymptomatic SARS-CoV-2 infection: is it all about being refractile to innate immune sensing of viral spare-parts?â€"Clues from exotic animal reservoirs. Pathogens and Disease, 2021, 79, .	2.0	7
60	Elevated Numbers of HIV-Specific Poly-Functional CD8+ T Cells With Stem Cell-Like and Follicular Homing Phenotypes in HIV-Exposed Seronegative Individuals. Frontiers in Immunology, 2021, 12, 638144.	4.8	7
61	Deciphering the Role of Mucosal Immune Responses and the Cervicovaginal Microbiome in Resistance to HIV Infection in HIV-Exposed Seronegative (HESN) Women. Microbiology Spectrum, 2021, 9, e0047021.	3.0	7
62	Epidemiological studies on pulmonary pathogens in HIV-positive and -negative subjects with or without community-acquired pneumonia with special emphasis on Mycoplasma pneumoniae. Japanese Journal of Infectious Diseases, 2007, 60, 337-41.	1.2	7
63	Dengue Infection - Recent Advances in Disease Pathogenesis in the Era of COVID-19. Frontiers in Immunology, 0, 13, .	4.8	7
64	Tissue-specific transcriptional profiling of plasmacytoid dendritic cells reveals a hyperactivated state in chronic SIV infection. PLoS Pathogens, 2021, 17, e1009674.	4.7	6
65	Could Nutraceutical Approaches Possibly Attenuate the Cytokine Storm in COVID-19 Patients?. Frontiers in Cellular and Infection Microbiology, 2021, 11, 667733.	3.9	5
66	Low frequency of precore mutants in anti-hepatitis B e antigen positive subjects with chronic hepatitis B virus infection in Chennai, Southern India. Journal of Microbiology and Biotechnology, 2008, 18, 1722-8.	2.1	4
67	Common protozoans as an uncommon cause of respiratory ailments in HIV-associated immunodeficiency. FEMS Immunology and Medical Microbiology, 2009, 57, 93-103.	2.7	3
68	Editorial: Lymph Node T Cell Dynamics and Novel Strategies for HIV Cure. Frontiers in Immunology, 2018, 9, 2950.	4.8	3
69	Cold Agglutinins in HIV-Seropositive Participants and Diagnosis of Respiratory Disease Due to Mycoplasma pneumoniae. Journal of the International Association of Providers of AIDS Care, 2009, 8, 229-234.	1.2	2
70	Persistence of anti-HBs titers after two different doses of Genevac B, a recombinant hepatitis B vaccine, in healthy adolescents. Indian Journal of Gastroenterology, 2007, 26, 48.	1.4	2
71	Can iron depletion inside macrophages serve to prolong HIV disease progression?. Bioscience Hypotheses, 2009, 2, 125-127.	0.2	1
72	Peripheral Follicular T Helper Cells and Mucosal-Associated Invariant T Cells Represent Activated Phenotypes During the Febrile Phase of Acute Dengue Virus Infection. Viral Immunology, 2020, 33, 610-615.	1.3	1

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73	Circulating integrin Î±₄Î²₇⁺ CD4 T cells are enriched for proliferative transcriptional programs in HIV infection. FEBS Letters, 2021, 595, 2257-2270.	2.8	1
74	MAIT cells in hepatitis B virus infection â€“ Diplomatic front-runners in the fight against HBV disease. Critical Reviews in Immunology, 2021, 41, 1-16.	0.5	1
75	Neutralization-Sensitive R5-Tropic Simian-Human Immunodeficiency Virus SHIV-2873Nip, Which Carries env Isolated from an Infant with a Recent HIV Clade C Infection. Journal of Virology, 2009, 83, 8297-8297.	3.4	0
76	OA07-03. Influence of preexisting vaccinia immunity on a DNA/MVA SIV vaccine, decreased cellular immunity but enhanced control of a pathogenic SIV challenge. Retrovirology, 2009, 6, .	2.0	0
77	PP-116 Profile of occult hepatitis B virus infection in an area with intermediate prevalence of HBV infection. International Journal of Infectious Diseases, 2009, 13, S80.	3.3	0
78	Anti-viral CD8 T-cells with B-cell Follicle Homing Potential Contribute to Vaccine-mediated Enhanced Control of Pathogenic SIV Infection. AIDS Research and Human Retroviruses, 2014, 30, A75-A76.	1.1	0
79	Hepatitis C virus infection contributes to impregnation of markers of immune inhibition: potential preludes underlying viral latency and persistence. BMC Infectious Diseases, 2014, 14, .	2.9	0
80	Brief Report: Diminished Coinhibitory Molecule 2B4 Expression Is Associated With Preserved iNKT Cell Phenotype in HIV Long-Term Nonprogressors. Journal of Acquired Immune Deficiency Syndromes (1999), 2020, 85, 73-78.	2.1	0
81	Understanding Immune Senescence, Exhaustion, and Immune Activation in HIVâ€“Tuberculosis Coinfection. , 2018, , 1-15.		0
82	Understanding Immune Senescence, Exhaustion, and Immune Activation in HIVâ€“Tuberculosis Coinfection. , 2019, , 1819-1833.		0
83	Effects of Anti-Retroviral Therapy (ART) on Restoration of Lung Immunity and Tuberculosis Reactivation. SSRN Electronic Journal, 0, , .	0.4	0