

Yanmin Wan

List of Publications by Year in descending order

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105
papers

4,647
citations

159585

30
h-index

110387

64
g-index

114
all docs

114
docs citations

114
times ranked

6545
citing authors

#	ARTICLE	IF	CITATIONS
1	Peak SIV replication in resting memory CD4+ T cells depletes gut lamina propria CD4+ T cells. <i>Nature</i> , 2005, 434, 1148-1152.	27.8	877
2	Glycerol monolaurate prevents mucosal SIV transmission. <i>Nature</i> , 2009, 458, 1034-1038.	27.8	563
3	Early hypercytokinemia is associated with interferon-induced transmembrane protein-3 dysfunction and predictive of fatal H7N9 infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 769-774.	7.1	250
4	Recovery from severe H7N9 disease is associated with diverse response mechanisms dominated by CD8+ T cells. <i>Nature Communications</i> , 2015, 6, 6833.	12.8	241
5	Visualizing Antigen-Specific and Infected Cells in Situ Predicts Outcomes in Early Viral Infection. <i>Science</i> , 2009, 323, 1726-1729.	12.6	176
6	Selenium-GPX4 axis protects follicular helper T cells from ferroptosis. <i>Nature Immunology</i> , 2021, 22, 1127-1139.	14.5	158
7	Macrophages but not Astrocytes Harbor HIV DNA in the Brains of HIV-1-Infected Aviremic Individuals on Suppressive Antiretroviral Therapy. <i>Journal of NeuroImmune Pharmacology</i> , 2019, 14, 110-119.	4.1	130
8	Microarray Analysis of Lymphatic Tissue Reveals Stage-Specific, Gene Expression Signatures in HIV-1 Infection. <i>Journal of Immunology</i> , 2009, 183, 1975-1982.	0.8	125
9	Simian Immunodeficiency Virus-Induced Intestinal Cell Apoptosis Is the Underlying Mechanism of the Regenerative Enteropathy of Early Infection. <i>Journal of Infectious Diseases</i> , 2008, 197, 420-429.	4.0	107
10	Clonally diverse CD38+HLA-DR+CD8+ T cells persist during fatal H7N9 disease. <i>Nature Communications</i> , 2018, 9, 824.	12.8	107
11	Recommendations for measuring HIV reservoir size in cure-directed clinical trials. <i>Nature Medicine</i> , 2020, 26, 1339-1350.	30.7	96
12	The use of PEGylated poly [2-(N,N-dimethylamino) ethyl methacrylate] as a mucosal DNA delivery vector and the activation of innate immunity and improvement of HIV-1-specific immune responses. <i>Biomaterials</i> , 2010, 31, 115-123.	11.4	77
13	Epigallocatechin gallate from green tea effectively blocks infection of SARS-CoV-2 and new variants by inhibiting spike binding to ACE2 receptor. <i>Cell and Bioscience</i> , 2021, 11, 168.	4.8	69
14	Indole Alleviates Diet-Induced Hepatic Steatosis and Inflammation in a Manner Involving Myeloid Cell 6-Phosphofructo-2-Kinase/Fructose-2,6-Biphosphatase 3. <i>Hepatology</i> , 2020, 72, 1191-1203.	7.3	67
15	Live Simian Immunodeficiency Virus Vaccine Correlate of Protection: Local Antibody Production and Concentration on the Path of Virus Entry. <i>Journal of Immunology</i> , 2014, 193, 3113-3125.	0.8	64
16	Discovery of a non-nucleoside RNA polymerase inhibitor for blocking Zika virus replication through in silico screening. <i>Antiviral Research</i> , 2018, 151, 78-86.	4.1	53
17	Immunogenicity of an inactivated SARS-CoV-2 vaccine in people living with HIV-1: a non-randomized cohort study. <i>EClinicalMedicine</i> , 2022, 43, 101226.	7.1	52
18	Topical Tenofovir Disoproxil Fumarate Nanoparticles Prevent HIV-1 Vaginal Transmission in a Humanized Mouse Model. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 3633-3639.	3.2	48

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19	Pathogenicity and immunogenicity of recombinant Tiantan Vaccinia Virus with deleted C12L and A53R genes. <i>Vaccine</i> , 2008, 26, 5062-5071.	3.8	40
20	Safe Pseudovirus-based Assay for Neutralization Antibodies against Influenza A(H7N9) Virus. <i>Emerging Infectious Diseases</i> , 2013, 19, 1685-7.	4.3	39
21	Fc functional antibodies in humans with severe H7N9 and seasonal influenza. <i>JCI Insight</i> , 2017, 2, .	5.0	39
22	Nanoencapsulation introduces long-acting phenomenon to tenofovir alafenamide and emtricitabine drug combination: A comparative pre-exposure prophylaxis efficacy study against HIV-1 vaginal transmission. <i>Journal of Controlled Release</i> , 2019, 294, 216-225.	9.9	37
23	Long-acting parenteral combination antiretroviral loaded nano-drug delivery system to treat chronic HIV-1 infection: A humanized mouse model study. <i>Antiviral Research</i> , 2018, 156, 85-91.	4.1	36
24	Live Simian Immunodeficiency Virus Vaccine Correlate of Protection: Immune Complexes Inhibit Fc Receptor Interactions That Reduce Target Cell Availability. <i>Journal of Immunology</i> , 2014, 193, 3126-3133.	0.8	35
25	Vaccine Induction of Lymph Node Resident Simian Immunodeficiency Virus Env-Specific T Follicular Helper Cells in Rhesus Macaques. <i>Journal of Immunology</i> , 2016, 196, 1700-1710.	0.8	35
26	Controlling Multicycle Replication of Live-Attenuated HIV-1 Using an Unnatural Genetic Switch. <i>ACS Synthetic Biology</i> , 2017, 6, 721-731.	3.8	35
27	The mucosal expression pattern of interferon- γ in rhesus macaques. <i>Journal of Leukocyte Biology</i> , 2014, 96, 1101-1107.	3.3	33
28	Drug susceptibility profile and pathogenicity of H7N9 influenza virus (Anhui1 lineage) with R292K substitution. <i>Emerging Microbes and Infections</i> , 2014, 3, 1-9.	6.5	32
29	Brain is a potential sanctuary for subtype C HIV-1 irrespective of ART treatment outcome. <i>PLoS ONE</i> , 2018, 13, e0201325.	2.5	32
30	Recapitulating Cross-Species Transmission of Simian Immunodeficiency Virus SIVcpz to Humans by Using Humanized BLT Mice. <i>Journal of Virology</i> , 2016, 90, 7728-7739.	3.4	31
31	Induction of Broadly Cross-Reactive Stalk-Specific Antibody Responses to Influenza Group 1 and Group 2 Hemagglutinins by Natural H7N9 Virus Infection in Humans. <i>Journal of Infectious Diseases</i> , 2017, 215, 518-528.	4.0	31
32	Mucosal priming with PEI/DNA complex and systemic boosting with recombinant TianTan vaccinia stimulate vigorous mucosal and systemic immune responses. <i>Vaccine</i> , 2007, 25, 2620-2629.	3.8	30
33	An inter-correlated cytokine network identified at the center of cytokine storm predicted COVID-19 prognosis. <i>Cytokine</i> , 2021, 138, 155365.	3.2	30
34	Extra-pulmonary viral shedding in H7N9 Avian Influenza patients. <i>Journal of Clinical Virology</i> , 2015, 69, 30-32.	3.1	28
35	Glycerol Monolaurate Microbicide Protection against Repeat High-Dose SIV Vaginal Challenge. <i>PLoS ONE</i> , 2015, 10, e0129465.	2.5	27
36	The metabolic hormone leptin promotes the function of TFH cells and supports vaccine responses. <i>Nature Communications</i> , 2021, 12, 3073.	12.8	27

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37	CAR-NK Cells Effectively Target SARS-CoV-2-Spike-Expressing Cell Lines In Vitro. <i>Frontiers in Immunology</i> , 2021, 12, 652223.	4.8	27
38	VRC01 antibody protects against vaginal and rectal transmission of human immunodeficiency virus 1 in hu-BLT mice. <i>Archives of Virology</i> , 2016, 161, 2449-2455.	2.1	25
39	Responses to multiple injections with alum alone compared to injections with alum adsorbed to proteins in mice. <i>Immunology Letters</i> , 2013, 149, 88-92.	2.5	23
40	Regulatory CD4+ and CD8+ T cells are negatively correlated with CD4+/CD8+ T cell ratios in patients acutely infected with SARS-CoV-2. <i>Journal of Leukocyte Biology</i> , 2021, 109, 91-97.	3.3	23
41	Novel Scalable and Simplified System to Generate Microglia-Containing Cerebral Organoids From Human Induced Pluripotent Stem Cells. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 682272.	3.7	23
42	Mucosal priming with replicative Tiantan vaccinia and systemic boosting with DNA vaccine raised strong mucosal and systemic HIV-specific immune responses. <i>Vaccine</i> , 2007, 25, 8874-8884.	3.8	22
43	Persistent Viral Reservoirs in Lymphoid Tissues in SIV-Infected Rhesus Macaques of Chinese-Origin on Suppressive Antiretroviral Therapy. <i>Viruses</i> , 2019, 11, 105.	3.3	22
44	High levels of soluble CD25 in COVID-19 severity suggest a divergence between anti-viral and pro-inflammatory T cell responses. <i>Clinical and Translational Immunology</i> , 2021, 10, e1251.	3.8	22
45	Persistent Low-Level Replication of SIV ^{nef} Drives Maturation of Antibody and CD8 T Cell Responses to Induce Protective Immunity against Vaginal SIV Infection. <i>PLoS Pathogens</i> , 2016, 12, e1006104.	4.7	21
46	Controlling the Replication of a Genomically Recoded HIV-1 with a Functional Quadruplet Codon in Mammalian Cells. <i>ACS Synthetic Biology</i> , 2018, 7, 1612-1617.	3.8	20
47	Next-Generation mRNA Sequencing Reveals Pyroptosis-Induced CD4 ⁺ T Cell Death in Early Simian Immunodeficiency Virus-Infected Lymphoid Tissues. <i>Journal of Virology</i> , 2016, 90, 1080-1087.	3.4	18
48	Characterization of founder viruses in very early SIV rectal transmission. <i>Virology</i> , 2017, 502, 97-105.	2.4	18
49	Early Initiation of Antiretroviral Therapy Can Functionally Control Productive HIV-1 Infection in Humanized-BLT Mice. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2015, 69, 519-527.	2.1	17
50	SIV Infection of Lung Macrophages. <i>PLoS ONE</i> , 2015, 10, e0125500.	2.5	17
51	Macrophage-associated wound healing contributes to African green monkey SIV pathogenesis control. <i>Nature Communications</i> , 2019, 10, 5101.	12.8	17
52	Potential Roles of Follicular Dendritic Cell-Associated Osteopontin in Lymphoid Follicle Pathology and Repair and in B Cell Regulation in HIV-1 and SIV Infection. <i>Journal of Infectious Diseases</i> , 2005, 192, 1269-1276.	4.0	16
53	Boosting Functional Avidity of CD8 ⁺ T Cells by Vaccinia Virus Vaccination Depends on Intrinsic T-Cell MyD88 Expression but Not the Inflammatory Milieu. <i>Journal of Virology</i> , 2014, 88, 5356-5368.	3.4	16
54	Mucosal Topical Microbicide Candidates Exert Influence on the Subsequent SIV Infection and Survival by Regulating SIV-Specific T-Cell Immune Responses. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2016, 71, 121-129.	2.1	16

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55	Associations of Simian Immunodeficiency Virus (SIV)-Specific Follicular CD8+ T Cells with Other Follicular T Cells Suggest Complex Contributions to SIV Viremia Control. <i>Journal of Immunology</i> , 2018, 200, 2714-2726.	0.8	16
56	Mice lacking adenosine 2A receptor reveal increased severity of MCD-induced NASH. <i>Journal of Endocrinology</i> , 2019, 243, 199-209.	2.6	16
57	Early Adaptive Humoral Immune Responses and Virus Clearance in Humans Recently Infected with Pandemic 2009 H1N1 Influenza Virus. <i>PLoS ONE</i> , 2011, 6, e22603.	2.5	15
58	Methionine- and Choline-Deficient Diet-Induced Nonalcoholic Steatohepatitis Is Associated with Increased Intestinal Inflammation. <i>American Journal of Pathology</i> , 2021, 191, 1743-1753.	3.8	15
59	As a genetic adjuvant, CTA improves the immunogenicity of DNA vaccines in an ADP-ribosyltransferase activity- and IL-6-dependent manner. <i>Vaccine</i> , 2014, 32, 2173-2180.	3.8	14
60	Broader HIV-1 neutralizing antibody responses induced by envelope glycoprotein mutants based on the EIAV attenuated vaccine. <i>Retrovirology</i> , 2010, 7, 71.	2.0	13
61	Characterization of CD8+ T Cell Differentiation following SIV ^{nef} Vaccination by Transcription Factor Expression Profiling. <i>PLoS Pathogens</i> , 2015, 11, e1004740.	4.7	13
62	A DNA Vaccine Expressing Consensus Hemagglutinin-Esterase Fusion Protein Protected Guinea Pigs from Infection by Two Lineages of Influenza D Virus. <i>Journal of Virology</i> , 2018, 92, .	3.4	13
63	A Double Humanized BLT-mice Model Featuring a Stable Human-Like Gut Microbiome and Human Immune System. <i>Journal of Visualized Experiments</i> , 2019, , .	0.3	13
64	Direct Staining with Major Histocompatibility Complex Class II Dextramers Permits Detection of Antigen-Specific, Autoreactive CD4 T Cells In Situ. <i>PLoS ONE</i> , 2014, 9, e87519.	2.5	13
65	Mucosal Humoral Immune Response to SIV ^{mac239} nef Vaccination and Vaginal Challenge. <i>Journal of Immunology</i> , 2016, 196, 2809-2818.	0.8	12
66	Efficient Inhibition of Hepatitis B Virus Infection by a preS1-binding Peptide. <i>Scientific Reports</i> , 2016, 6, 29391.	3.3	11
67	Immune Signature of Enhanced Functional Avidity CD8+ T Cells in vivo Induced by Vaccinia Vected Vaccine. <i>Scientific Reports</i> , 2017, 7, 41558.	3.3	11
68	Mucosal antibody responses to vaccines targeting SIV protease cleavage sites or full-length Gag and Env proteins in Mauritian cynomolgus macaques. <i>PLoS ONE</i> , 2018, 13, e0202997.	2.5	11
69	Reactivation of HIV-1 proviruses in immune-compromised mice engrafted with human VOA-negative CD4+ T cells. <i>Journal of Virus Eradication</i> , 2017, 3, 61-65.	0.5	11
70	Deglycosylation or Partial Removal of HIV-1 CN54 gp140 V1/V2 Domain Enhances Env-Specific T Cells. <i>AIDS Research and Human Retroviruses</i> , 2009, 25, 607-617.	1.1	10
71	Virus-host mucosal interactions during early SIV rectal transmission. <i>Virology</i> , 2014, 464-465, 406-414.	2.4	10
72	In Situ Detection of Autoreactive CD4 T Cells in Brain and Heart Using Major Histocompatibility Complex Class II Dextramers. <i>Journal of Visualized Experiments</i> , 2014, , e51679.	0.3	10

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73	Identification of an Epitope from Adenine Nucleotide Translocator 1 That Induces Inflammation in Heart in A/J Mice. <i>American Journal of Pathology</i> , 2016, 186, 3160-3175.	3.8	10
74	A novel preventive strategy against HIV-1 infection: combinatorial use of inhibitors targeting the nucleocapsid and fusion proteins. <i>Emerging Microbes and Infections</i> , 2017, 6, 1-8.	6.5	10
75	Altered Ratio of T Follicular Helper Cells to T Follicular Regulatory Cells Correlates with Autoreactive Antibody Response in Simian Immunodeficiency Virus-Infected Rhesus Macaques. <i>Journal of Immunology</i> , 2018, 200, 3180-3187.	0.8	10
76	A Technique to Simultaneously Visualize Virus-Specific CD8+ T Cells and Virus-Infected Cells <i>In situ</i> . <i>Journal of Visualized Experiments</i> , 2009, , .	0.3	9
77	Fusion-Expressed CTB Improves Both Systemic and Mucosal T-Cell Responses Elicited by an Intranasal DNA Priming/Intramuscular Recombinant Vaccinia Boosting Regimen. <i>Journal of Immunology Research</i> , 2014, 2014, 1-6.	2.2	9
78	Deep Transcriptional Sequencing of Mucosal Challenge Compartment from Rhesus Macaques Acutely Infected with Simian Immunodeficiency Virus Implicates Loss of Cell Adhesion Preceding Immune Activation. <i>Journal of Virology</i> , 2014, 88, 7962-7972.	3.4	9
79	Epidemiologic report and serologic findings for household contacts of three cases of influenza A (H7N9) virus infection. <i>Journal of Clinical Virology</i> , 2014, 59, 129-131.	3.1	9
80	Successive site translocating inoculation potentiates DNA/recombinant vaccinia vaccination. <i>Scientific Reports</i> , 2015, 5, 18099.	3.3	9
81	Safety, Immune, and Antiviral Effects of Pegylated Interferon Alpha 2b Administration in Antiretroviral Therapy-Suppressed Individuals: Results of Pilot Clinical Trial. <i>AIDS Research and Human Retroviruses</i> , 2021, 37, 433-443.	1.1	9
82	Deglycosylation of HIV-1 AE Gp140 Enhances the Capacity to Elicit Neutralizing Antibodies Against the Heterologous HIV-1 Clade. <i>AIDS Research and Human Retroviruses</i> , 2010, 26, 569-575.	1.1	8
83	Branched chain α -ketoacid dehydrogenase kinase 111, a T cell epitope that induces both autoimmune myocarditis and hepatitis in A/J mice. <i>Immunity, Inflammation and Disease</i> , 2017, 5, 421-434.	2.7	8
84	SIVcpz closely related to the ancestral HIV-1 is less or non-pathogenic to humans in a hu-BLT mouse model. <i>Emerging Microbes and Infections</i> , 2018, 7, 1-12.	6.5	8
85	Interleukin-21 enhances the antibody avidity elicited by DNA prime and MVA boost vaccine. <i>Cytokine</i> , 2020, 125, 154814.	3.2	8
86	Indole supplementation ameliorates MCD-induced NASH in mice. <i>Journal of Nutritional Biochemistry</i> , 2022, 107, 109041.	4.2	8
87	Comparison of immunogenicity between codon optimized HIV-1 Thailand subtype B gp140 and gp145 vaccines. <i>Vaccine</i> , 2007, 25, 4949-4959.	3.8	7
88	Evaluation of Anti-TBGL Antibody in the Diagnosis of Tuberculosis Patients in China. <i>Journal of Immunology Research</i> , 2015, 2015, 1-9.	2.2	7
89	Vaccine targeting SIVmac251 protease cleavage sites protects macaques against vaginal infection. <i>Journal of Clinical Investigation</i> , 2020, 130, 6429-6442.	8.2	7
90	Immunogenicity Comparison between Codon Optimized HIV-1 CRF BC_07 gp140 and gp145 Vaccines. <i>AIDS Research and Human Retroviruses</i> , 2007, 23, 1396-1404.	1.1	6

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91	Dose effect of influenza vaccine on protection against laboratory-confirmed influenza illness among children aged 6 months to 8 years of age in southern China, 2013/14â€“2015/16 seasons: a matched caseâ€“control study. <i>Human Vaccines and Immunotherapeutics</i> , 2020, 16, 595-601.	3.3	5
92	Perivascular macrophages in the neonatal macaque brain undergo massive necroptosis after simian immunodeficiency virus infection. <i>Brain Pathology</i> , 2020, 30, 603-613.	4.1	5
93	Short Communication: The Distribution of Potential N-Linked Glycosylation Sites in Gp120 Differs Among Major HIV-1 Subtypes Circulating in China. <i>AIDS Research and Human Retroviruses</i> , 2016, 32, 101-108.	1.1	4
94	Synthetic biology approach for the development of conditionally replicating HIV-1 vaccine. <i>Journal of Chemical Technology and Biotechnology</i> , 2017, 92, 455-462.	3.2	4
95	Cervico-Vaginal Inflammatory Cytokine and Chemokine Responses to Two Different SIV Immunogens. <i>Frontiers in Immunology</i> , 2020, 11, 1935.	4.8	3
96	HIV-Specific IL-2+ and/or IFN- γ + CD8+ T Cell Responses during Chronic HIV-1 Infection in Former Blood Donors. <i>Biomedical and Environmental Sciences</i> , 2010, 23, 391-401.	0.2	2
97	Allergen-Specific Treg Cells Upregulated by Lung-Stage <i>S. japonicum</i> Infection Alleviates Allergic Airway Inflammation. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 678377.	3.7	2
98	Successive Site Translocating Inoculation Improved T Cell Responses Elicited by a DNA Vaccine Encoding SARS-CoV-2 S Protein. <i>Frontiers in Immunology</i> , 2022, 13, 875236.	4.8	2
99	The Average IFN- γ Secretory Capacity of Specific CD8+ T Cells Is Compromised While Increasing Copies of a Single T Cell Epitope Encoded by DNA Vaccine. <i>Clinical and Developmental Immunology</i> , 2012, 2012, 1-6.	3.3	1
100	Identification of Unequally Represented Founder Viruses Among Tissues in Very Early SIV Rectal Transmission. <i>Frontiers in Microbiology</i> , 2018, 9, 557.	3.5	1
101	Reply to Letter to the Editor. <i>Journal of NeuroImmune Pharmacology</i> , 2019, 14, 7-8.	4.1	1
102	Exploration of a Sequential Gp140-Gp145 Immunization Regimen with Heterologous Envs to Induce a Protective Cross-Reactive HIV Neutralizing Antibody Response In Non-human Primates. <i>Virologica Sinica</i> , 2021, 36, 784-795.	3.0	1
103	Distinct transcriptome profiles of Gag-specific CD8+ T cells temporally correlated with the protection elicited by SIV Δ nef live attenuated vaccine. <i>PLoS ONE</i> , 2017, 12, e0173929.	2.5	1
104	Editorial: Molecular Vaccines Against Pathogens in the Post-genomic Era. <i>Frontiers in Cellular and Infection Microbiology</i> , 2019, 9, 443.	3.9	0
105	Regulatory CD4 $\frac{+}{-}$ and CD8 $\frac{+}{-}$ T Cells Correlated Oppositely with CD4 $\frac{+}{-}$ /CD8 $\frac{+}{-}$ T Cell Ratios in Patients Acutely Infected with SARS-CoV-2. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0