

Pengfei Wang

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

8,173
citations

185998

28
h-index

197535

49
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74
all docs

74
docs citations

74
times ranked

13475
citing authors

#	ARTICLE	IF	CITATIONS
1	Antibody resistance of SARS-CoV-2 variants B.1.351 and B.1.1.7. <i>Nature</i> , 2021, 593, 130-135.	13.7	1,904
2	Potent neutralizing antibodies against multiple epitopes on SARS-CoV-2 spike. <i>Nature</i> , 2020, 584, 450-456.	13.7	1,337
3	A Human Pluripotent Stem Cell-based Platform to Study SARS-CoV-2 Tropism and Model Virus Infection in Human Cells and Organoids. <i>Cell Stem Cell</i> , 2020, 27, 125-136.e7.	5.2	543
4	Increased resistance of SARS-CoV-2 variant P.1 to antibody neutralization. <i>Cell Host and Microbe</i> , 2021, 29, 747-751.e4.	5.1	504
5	Potent SARS-CoV-2 neutralizing antibodies directed against spike N-terminal domain target a single supersite. <i>Cell Host and Microbe</i> , 2021, 29, 819-833.e7.	5.1	444
6	Identification of SARS-CoV-2 inhibitors using lung and colonic organoids. <i>Nature</i> , 2021, 589, 270-275.	13.7	389
7	Cryo-EM Structures of SARS-CoV-2 Spike without and with ACE2 Reveal a pH-Dependent Switch to Mediate Endosomal Positioning of Receptor-Binding Domains. <i>Cell Host and Microbe</i> , 2020, 28, 867-879.e5.	5.1	316
8	Nanobodies from camelid mice and llamas neutralize SARS-CoV-2 variants. <i>Nature</i> , 2021, 595, 278-282.	13.7	154
9	Zinc-finger-nucleases mediate specific and efficient excision of HIV-1 proviral DNA from infected and latently infected human T cells. <i>Nucleic Acids Research</i> , 2013, 41, 7771-7782.	6.5	146
10	Antibody evasion of SARS-CoV-2 Omicron BA.1, BA.1.1, BA.2, and BA.3 sub-lineages. <i>Cell Host and Microbe</i> , 2022, 30, 1077-1083.e4.	5.1	132
11	Defining the risk of SARS-CoV-2 variants on immune protection. <i>Nature</i> , 2022, 605, 640-652.	13.7	117
12	SARS-CoV-2 neutralizing antibody responses are more robust in patients with severe disease. <i>Emerging Microbes and Infections</i> , 2020, 9, 2091-2093.	3.0	109
13	Homologous or heterologous booster of inactivated vaccine reduces SARS-CoV-2 Omicron variant escape from neutralizing antibodies. <i>Emerging Microbes and Infections</i> , 2022, 11, 477-481.	3.0	104
14	Emergence and expansion of SARS-CoV-2 B.1.526 after identification in New York. <i>Nature</i> , 2021, 597, 703-708.	13.7	103
15	Specific Reactivation of Latent HIV-1 by dCas9-SunTag-VP64-mediated Guide RNA Targeting the HIV-1 Promoter. <i>Molecular Therapy</i> , 2016, 24, 508-521.	3.7	67
16	Structure-Based Design with Tag-Based Purification and In-Process Biotinylation Enable Streamlined Development of SARS-CoV-2 Spike Molecular Probes. <i>Cell Reports</i> , 2020, 33, 108322.	2.9	59
17	The BET inhibitor OTX015 reactivates latent HIV-1 through P-TEFb. <i>Scientific Reports</i> , 2016, 6, 24100.	1.6	56
18	Modular basis for potent SARS-CoV-2 neutralization by a prevalent VH1-2-derived antibody class. <i>Cell Reports</i> , 2021, 35, 108950.	2.9	54

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19	Structural basis for accommodation of emerging B.1.351 and B.1.1.7 variants by two potent SARS-CoV-2 neutralizing antibodies. <i>Structure</i> , 2021, 29, 655-663.e4.	1.6	52
20	Neutralizing antibody 5-7 defines a distinct site of vulnerability in SARS-CoV-2 spike N-terminal domain. <i>Cell Reports</i> , 2021, 37, 109928.	2.9	52
21	Involvement of histone methyltransferase GLP in HIV-1 latency through catalysis of H3K9 dimethylation. <i>Virology</i> , 2013, 440, 182-189.	1.1	51
22	Integrative analyses of transcriptomics and metabolomics upon seed germination of foxtail millet in response to salinity. <i>Scientific Reports</i> , 2020, 10, 13660.	1.6	45
23	Quantifying the contribution of Fc-mediated effector functions to the antiviral activity of anti-HIV-1 IgG1 antibodies in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 18002-18009.	3.3	44
24	Reactivation of HIV-1 from Latency by an Ingenol Derivative from <i>Euphorbia Kansui</i> . <i>Scientific Reports</i> , 2017, 7, 9451.	1.6	40
25	An Immuno-Cardiac Model for Macrophage-Mediated Inflammation in COVID-19 Hearts. <i>Circulation Research</i> , 2021, 129, 33-46.	2.0	40
26	Paired heavy- and light-chain signatures contribute to potent SARS-CoV-2 neutralization in public antibody responses. <i>Cell Reports</i> , 2021, 37, 109771.	2.9	38
27	Cardiomyocytes recruit monocytes upon SARS-CoV-2 infection by secreting CCL2. <i>Stem Cell Reports</i> , 2021, 16, 2274-2288.	2.3	37
28	An airway organoid-based screen identifies a role for the HIF1 α -glycolysis axis in SARS-CoV-2 infection. <i>Cell Reports</i> , 2021, 37, 109920.	2.9	36
29	Selective Histone deacetylase Inhibitor M344 Intervenes in HIV-1 Latency through Increasing Histone Acetylation and Activation of NF- κ B. <i>PLoS ONE</i> , 2012, 7, e48832.	1.1	35
30	Sensitivity to Vaccines, Therapeutic Antibodies, and Viral Entry Inhibitors and Advances To Counter the SARS-CoV-2 Omicron Variant. <i>Clinical Microbiology Reviews</i> , 2022, 35, .	5.7	35
31	Two cellular microRNAs, miR-196b and miR-1290, contribute to HIV-1 latency. <i>Virology</i> , 2015, 486, 228-238.	1.1	34
32	CRISPR-based gene knockout screens reveal deubiquitinases involved in HIV-1 latency in two Jurkat cell models. <i>Scientific Reports</i> , 2020, 10, 5350.	1.6	30
33	As2O3 synergistically reactivate latent HIV-1 by induction of NF- κ B. <i>Antiviral Research</i> , 2013, 100, 688-697.	1.9	25
34	A monoclonal antibody that neutralizes SARS-CoV-2 variants, SARS-CoV, and other sarbecoviruses. <i>Emerging Microbes and Infections</i> , 2022, 11, 147-157.	3.0	25
35	Cytokine cascade and networks among MSM HIV seroconverters: implications for early immunotherapy. <i>Scientific Reports</i> , 2016, 6, 36234.	1.6	23
36	Direct observation of the work function evolution of graphene-two-dimensional metal contacts. <i>Journal of Materials Chemistry C</i> , 2014, 2, 8042-8046.	2.7	21

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37	Designed Transcription Activator-Like Effector Proteins Efficiently Induced the Expression of Latent HIV-1 in Latently Infected Cells. <i>AIDS Research and Human Retroviruses</i> , 2015, 31, 98-106.	0.5	15
38	Direct Deposition of Uniform High- $\hat{\epsilon}$ Dielectrics on Graphene. <i>Scientific Reports</i> , 2014, 4, 6448.	1.6	14
39	Zinc finger nuclease: a new approach for excising HIV-1 proviral DNA from infected human T cells. <i>Molecular Biology Reports</i> , 2014, 41, 5819-5827.	1.0	13
40	Angiotensin converting enzyme 2 is a novel target of the $\hat{\Gamma}$ ³ -secretase complex. <i>Scientific Reports</i> , 2021, 11, 9803.	1.6	13
41	Reactivation of latent HIV-1 in latently infected cells by coumarin compounds: Hymecromone and Scoparone Reactivation of Latent HIV-1 in Latently Infected Cells by Coumarin Compounds: Hymecromone and Scoparone. <i>Current HIV Research</i> , 2016, 14, 484-490.	0.2	9
42	The Investigation of Field Plate Design in 500 $\hat{\epsilon}$ %V High Voltage NLD MOS. <i>Advances in Condensed Matter Physics</i> , 2015, 2015, 1-6.	0.4	6
43	Cryo-EM Structures Delineate a pH-Dependent Switch that Mediates Endosomal Positioning of SARS-CoV-2 Spike Receptor-Binding Domains. <i>SSRN Electronic Journal</i> , 0, , .	0.4	6
44	Dilazep synergistically reactivates latent HIV-1 in latently infected cells. <i>Molecular Biology Reports</i> , 2014, 41, 7697-7704.	1.0	5
45	Antibody screening at reduced $\langle \text{pH} \rangle$ enables preferential selection of potently neutralizing antibodies targeting $\langle \text{SARS-CoV} \rangle$. <i>AIChE Journal</i> , 2021, 67, e17440.	1.8	4
46	Design of high reliability RF-LDMOS by suppressing the parasitic bipolar effect using enhanced p-well and double epitaxy. <i>Journal of Semiconductors</i> , 2015, 36, 064013.	2.0	3
47	Structure-Based Design with Tag-Based Purification and In-Process Biotinylation Enable Streamlined Development of SARS-CoV-2 Spike Molecular Probes. <i>SSRN Electronic Journal</i> , 2020, , 3639618.	0.4	3
48	Oxaliplatin antagonizes HIV-1 latency by activating NF- $\hat{\Gamma}$ B without causing global T cell activation. <i>Biochemical and Biophysical Research Communications</i> , 2014, 450, 202-207.	1.0	2
49	Anti-HIV Passive Immunization in Animal Models. <i>Journal of HIV & Retro Virus</i> , 2018, 04, .	0.0	2
50	Paired Heavy and Light Chain Signatures Contribute to Potent SARS-CoV-2 Neutralization in Public Antibody Responses. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1
51	Genome-wide characterization of Rice Black Streaked Dwarf Virus-responsive genes in rice. <i>SDRP Journal of Food Science & Technology</i> , 2020, 5, 66-82.	0.2	1