David D Ho

List of Publications by Year
in descending order

61 papers	22,719 citations	94269 37 h-index	128067 60 g-index
92 all docs	92 docs citations	92 times ranked	24104 citing authors

#	Article	IF	Citations
1	Prolonged severe acute respiratory syndrome coronavirus 2 persistence, attenuated immunologic response, and viral evolution in a solid organ transplant patient. American Journal of Transplantation, 2022, 22, 649-653.	2.6	9
2	A monoclonal antibody that neutralizes SARS-CoV-2 variants, SARS-CoV, and other sarbecoviruses. Emerging Microbes and Infections, 2022, 11, 147-157.	3.0	25
3	Cryo-EM structure of the SARS-CoV-2 Omicron spike. Cell Reports, 2022, 38, 110428.	2.9	82
4	Striking antibody evasion manifested by the Omicron variant of SARS-CoV-2. Nature, 2022, 602, 676-681.	13.7	1,038
5	A SARS-CoV-2 ferritin nanoparticle vaccine elicits protective immune responses in nonhuman primates. Science Translational Medicine, 2022, 14, .	5.8	73
6	Antibody evasion properties of SARS-CoV-2 Omicron sublineages. Nature, 2022, 604, 553-556.	13.7	649
7	Defining the risk of SARS-CoV-2 variants on immune protection. Nature, 2022, 605, 640-652.	13.7	117
8	SARS-CoV-2 Infection Induces Ferroptosis of Sinoatrial Node Pacemaker Cells. Circulation Research, 2022, 130, 963-977.	2.0	49
9	Development of optimized drug-like small molecule inhibitors of the SARS-CoV-2 3CL protease for treatment of COVID-19. Nature Communications, 2022, 13, 1891.	5.8	45
10	An antibody class with a common CDRH3 motif broadly neutralizes sarbecoviruses. Science Translational Medicine, 2022, 14, eabn6859.	5.8	31
11	Development and performance of a point-of-care rapid antigen test for detection of SARS-COV-2 variants. Journal of Clinical Virology Plus, 2022, 2, 100080.	0.4	3
12	Functional properties of the spike glycoprotein of the emerging SARS-CoV-2 variant B.1.1.529. Cell Reports, 2022, 39, 110924.	2.9	20
13	Antibody evasion by SARS-CoV-2 Omicron subvariants BA.2.12.1, BA.4 and BA.5. Nature, 2022, 608, 603-608.	13.7	541
14	Identification of SARS-CoV-2 inhibitors using lung and colonic organoids. Nature, 2021, 589, 270-275.	13.7	389
15	Antibody resistance of SARS-CoV-2 variants B.1.351 and B.1.1.7. Nature, 2021, 593, 130-135.	13.7	1,904
16	Modular basis for potent SARS-CoV-2 neutralization by a prevalent VH1-2-derived antibody class. Cell Reports, 2021, 35, 108950.	2.9	54
17	Robust SARS-CoV-2 infection in nasal turbinates after treatment with systemic neutralizing antibodies. Cell Host and Microbe, 2021, 29, 551-563.e5.	5.1	87
18	An Immuno-Cardiac Model for Macrophage-Mediated Inflammation in COVID-19 Hearts. Circulation Research, 2021, 129, 33-46.	2.0	40

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19	Lead compounds for the development of SARS-CoV-2 3CL protease inhibitors. Nature Communications, 2021, 12, 2016.	5.8	65
20	Increased resistance of SARS-CoV-2 variant P.1 to antibody neutralization. Cell Host and Microbe, 2021, 29, 747-751.e4.	5.1	504
21	Potent SARS-CoV-2 neutralizing antibodies directed against spike N-terminal domain target a single supersite. Cell Host and Microbe, 2021, 29, 819-833.e7.	5.1	444
22	Angiotensin converting enzyme 2 is a novel target of the Î³-secretase complex. Scientific Reports, 2021, 11, 9803.	1.6	13
23	Inhibitors of Coronavirus 3CL Proteases Protect Cells from Protease-Mediated Cytotoxicity. Journal of Virology, 2021, 95, e0237420.	1.5	27
24	Nanobodies from camelid mice and llamas neutralize SARS-CoV-2 variants. Nature, 2021, 595, 278-282.	13.7	154
25	Structural basis for accommodation of emerging B.1.351 and B.1.1.7 variants by two potent SARS-CoV-2 neutralizing antibodies. Structure, 2021, 29, 655-663.e4.	1.6	52
26	Viral dynamics of acute SARS-CoV-2 infection and applications to diagnostic and public health strategies. PLoS Biology, 2021, 19, e3001333.	2.6	133
27	Emergence and expansion of SARS-CoV-2 B.1.526 after identification in New York. Nature, 2021, 597, 703-708.	13.7	103
28	Antibody screening at reduced <scp>pH</scp> enables preferential selection of potently neutralizing antibodies targeting <scp>SARSâ€CoV</scp>â€2. AICHE Journal, 2021, 67, e17440.	1.8	4
29	Defining variant-resistant epitopes targeted by SARS-CoV-2 antibodies: A global consortium study. Science, 2021, 374, 472-478.	6.0	228
30	Efficacy and breadth of adjuvanted SARS-CoV-2 receptor-binding domain nanoparticle vaccine in macaques. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	44
31	Cardiomyocytes recruit monocytes upon SARS-CoV-2 infection by secretingÂCCL2. Stem Cell Reports, 2021, 16, 2274-2288.	2.3	37
32	Paired heavy- and light-chain signatures contribute to potent SARS-CoV-2 neutralization in public antibody responses. Cell Reports, 2021, 37, 109771.	2.9	38
33	An airway organoid-based screen identifies a role for the HIF1Î±-glycolysis axis in SARS-CoV-2 infection. Cell Reports, 2021, 37, 109920.	2.9	36
34	Neutralizing antibody 5-7 defines a distinct site of vulnerability in SARS-CoV-2 spike N-terminal domain. Cell Reports, 2021, 37, 109928.	2.9	52
35	Functional differences among the spike glycoproteins of multiple emerging severe acute respiratory syndrome coronavirus 2 variants of concern. IScience, 2021, 24, 103393.	1.9	17
36	Ad26.COV2.S boosts antibody and T-cell responses following BNT162b2 vaccination. Emerging Microbes and Infections, 2021, 10, 2220-2222.	3.0	2

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37	Comments on â€˜An airway organoid-based screen identifies a role for the HIF1Î±â€™glycolysis axis in SARS-CoV-2 infectionâ€™. Journal of Molecular Cell Biology, 2021, , .	1.5	1
38	In vivo kinetics of SARS-CoV-2 infection and its relationship with a personâ€™s infectiousness. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	108
39	Structure-Based Design with Tag-Based Purification and In-Process Biotinylation Enable Streamlined Development of SARS-CoV-2 Spike Molecular Probes. Cell Reports, 2020, 33, 108322.	2.9	59
40	Quantifying the contribution of Fc-mediated effector functions to the antiviral activity of antiâ€“HIV-1 IgG1 antibodies in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 18002-18009.	3.3	44
41	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. Cell Host and Microbe, 2020, 28, 867-879.e5.	5.1	316
42	Real-Time Conformational Dynamics of SARS-CoV-2 Spikes on Virus Particles. Cell Host and Microbe, 2020, 28, 880-891.e8.	5.1	153
43	Potent neutralizing antibodies against multiple epitopes on SARS-CoV-2 spike. Nature, 2020, 584, 450-456.	13.7	1,337
44	SARS-CoV-2 neutralizing antibody responses are more robust in patients with severe disease. Emerging Microbes and Infections, 2020, 9, 2091-2093.	3.0	109
45	A Human Pluripotent Stem Cell-based Platform to Study SARS-CoV-2 Tropism and Model Virus Infection in Human Cells and Organoids. Cell Stem Cell, 2020, 27, 125-136.e7.	5.2	543
46	CRISPR-based gene knockout screens reveal deubiquitinases involved in HIV-1 latency in two Jurkat cell models. Scientific Reports, 2020, 10, 5350.	1.6	30
47	Extrapulmonary manifestations of COVID-19. Nature Medicine, 2020, 26, 1017-1032.	15.2	2,300
48	Engineering multi-specific antibodies against HIV-1. Retrovirology, 2018, 15, 60.	0.9	37
49	Engineered Bispecific Antibodies with Exquisite HIV-1-Neutralizing Activity. Cell, 2016, 165, 1621-1631.	13.5	157
50	Long-Acting Integrase Inhibitor Protects Macaques from Intrarectal Simian/Human Immunodeficiency Virus. Science, 2014, 343, 1151-1154.	6.0	145
51	Bispecific antibodies directed to CD4 domain 2 and HIV envelope exhibit exceptional breadth and picomolar potency against HIV-1. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 13540-13545.	3.3	73
52	Sequence and Structural Convergence of Broad and Potent HIV Antibodies That Mimic CD4 Binding. Science, 2011, 333, 1633-1637.	6.0	1,046
53	A Novel Antiviral Intervention Results in More Accurate Assessment of Human Immunodeficiency Virus Type 1 Replication Dynamics and T-Cell Decay In Vivo. Journal of Virology, 2003, 77, 5037-5038.	1.5	356
54	Rapid production and clearance of HIV-1 and hepatitis C virus assessed by large volume plasma apheresis. Lancet, The, 1999, 354, 1782-1785.	6.3	458

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55	Decay characteristics of HIV-1-infected compartments during combination therapy. Nature, 1997, 387, 188-191.	13.7	1,722
56	Rapid turnover of plasma virions and CD4 lymphocytes in HIV-1 infection. Nature, 1995, 373, 123-126.	13.7	4,277
57	Was HIV present in 1959?. Nature, 1995, 374, 503-504.	13.7	23
58	Shutting down HIV. Nature, 1994, 370, 416-416.	13.7	70
59	Efficient neutralization of primary isolates of HIV-1 by a recombinant human monoclonal antibody. Science, 1994, 266, 1024-1027.	6.0	1,080
60	Paired Heavy and Light Chain Signatures Contribute to Potent SARS-CoV-2 Neutralization in Public Antibody Responses. SSRN Electronic Journal, 0, , .	0.4	1
61	Striking antibody evasion manifested by the Omicron variant of SARS-CoV-2. Nature, 0, , .	13.7	72