

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

77 papers	4,267 citations	24 h-index	65 g-index
86 ext. papers	6,001 ext. citations	14.1 avg, IF	6.06 L-index

#	Paper	IF	Citations
77	A highly conserved cryptic epitope in the receptor binding domains of SARS-CoV-2 and SARS-CoV. <i>Science</i> , 2020 , 368, 630-633	33.3	954
76	Isolation of potent SARS-CoV-2 neutralizing antibodies and protection from disease in a small animal model. <i>Science</i> , 2020 , 369, 956-963	33.3	906
75	Structural basis of a shared antibody response to SARS-CoV-2. <i>Science</i> , 2020 , 369, 1119-1123	33.3	338
74	Cross-reactive Antibody Response between SARS-CoV-2 and SARS-CoV Infections. <i>Cell Reports</i> , 2020 , 31, 107725	10.6	263
73	Serological assays for severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2), March 2020. <i>Eurosurveillance</i> , 2020 , 25,	19.8	220
72	A Therapeutic Non-self-reactive SARS-CoV-2 Antibody Protects from Lung Pathology in a COVID-19 Hamster Model. <i>Cell</i> , 2020 , 183, 1058-1069.e19	56.2	182
71	Structure-guided multivalent nanobodies block SARS-CoV-2 infection and suppress mutational escape. <i>Science</i> , 2021 , 371,	33.3	149
70	Structural and functional ramifications of antigenic drift in recent SARS-CoV-2 variants. <i>Science</i> , 2021 , 373, 818-823	33.3	148
69	Cross-Neutralization of a SARS-CoV-2 Antibody to a Functionally Conserved Site Is Mediated by Avidity. <i>Immunity</i> , 2020 , 53, 1272-1280.e5	32.3	112
68	An Alternative Binding Mode of IGHV3-53 Antibodies to the SARS-CoV-2 Receptor Binding Domain. <i>Cell Reports</i> , 2020 , 33, 108274	10.6	107
67	Recognition of the SARS-CoV-2 receptor binding domain by neutralizing antibodies. <i>Biochemical and Biophysical Research Communications</i> , 2021 , 538, 192-203	3.4	93
66	Enzyme-linked immunosorbent assay and colloidal gold-based immunochromatographic assay for several (fluoro)quinolones in milk. <i>Mikrochimica Acta</i> , 2011 , 173, 307-316	5.8	40
65	Cross-reactive antibody response between SARS-CoV-2 and SARS-CoV infections 2020 ,		40
64	Immunoassay for phenylurea herbicides: application of molecular modeling and quantitative structure-activity relationship analysis on an antigen-antibody interaction study. <i>Analytical Chemistry</i> , 2011 , 83, 4767-74	7.8	37
63	Mapping the immunogenic landscape of near-native HIV-1 envelope trimers in non-human primates. <i>PLoS Pathogens</i> , 2020 , 16, e1008753	7.6	37
62	A natural mutation between SARS-CoV-2 and SARS-CoV determines neutralization by a cross-reactive antibody. <i>PLoS Pathogens</i> , 2020 , 16, e1009089	7.6	33
61	A highly conserved cryptic epitope in the receptor-binding domains of SARS-CoV-2 and SARS-CoV		32

60	An allostatic mechanism for M2 pyruvate kinase as an amino-acid sensor. <i>Biochemical Journal</i> , 2018 , 475, 1821-1837	3.8	28
59	A protective broadly cross-reactive human antibody defines a conserved site of vulnerability on beta-coronavirus spikes 2021 ,		26
58	Structural and functional ramifications of antigenic drift in recent SARS-CoV-2 variants 2021 ,		26
57	Conformational Plasticity in the HIV-1 Fusion Peptide Facilitates Recognition by Broadly Neutralizing Antibodies. <i>Cell Host and Microbe</i> , 2019 , 25, 873-883.e5	23.4	25
56	Allosteric pyruvate kinase-based "logic gate" synergistically senses energy and sugar levels in <i>Mycobacterium tuberculosis</i> . <i>Nature Communications</i> , 2017 , 8, 1986	17.4	25
55	Autologous Antibody Responses to an HIV Envelope Glycan Hole Are Not Easily Broadened in Rabbits. <i>Journal of Virology</i> , 2020 , 94,	6.6	24
54	Colloidal gold based immunochromatographic strip for the simple and sensitive determination of aflatoxin B1 and B2 in corn and rice. <i>Mikrochimica Acta</i> , 2013 , 180, 921-928	5.8	24
53	A combination of cross-neutralizing antibodies synergizes to prevent SARS-CoV-2 and SARS-CoV pseudovirus infection. <i>Cell Host and Microbe</i> , 2021 , 29, 806-818.e6	23.4	24
52	Two novel analytical methods based on polyclonal and monoclonal antibodies for the rapid detection of <i>Cronobacter</i> spp.: Development and application in powdered infant formula. <i>LWT - Food Science and Technology</i> , 2014 , 56, 335-340	5.4	23
51	Computer-aided molecular modeling study on antibody recognition of small molecules: an immunoassay for triazine herbicides. <i>Journal of Agricultural and Food Chemistry</i> , 2012 , 60, 10486-93	5.7	18
50	Enzyme-linked immunosorbent assay and immunochromatographic strip for rapid detection of atrazine in water samples. <i>Mikrochimica Acta</i> , 2012 , 177, 177-184	5.8	18
49	Bispecific antibodies targeting distinct regions of the spike protein potently neutralize SARS-CoV-2 variants of concern. <i>Science Translational Medicine</i> , 2021 , 13, eabj5413	17.5	18
48	A gel-based visual immunoassay for non-instrumental detection of chloramphenicol in food samples. <i>Analytica Chimica Acta</i> , 2012 , 751, 128-34	6.6	17
47	A human antibody reveals a conserved site on beta-coronavirus spike proteins and confers protection against SARS-CoV-2 infection.. <i>Science Translational Medicine</i> , 2022 , 14, eabi9215	17.5	15
46	COVA1-18 neutralizing antibody protects against SARS-CoV-2 in three preclinical models. <i>Nature Communications</i> , 2021 , 12, 6097	17.4	15
45	A SARS-CoV-2 neutralizing antibody protects from lung pathology in a COVID-19 hamster model 2020 ,		15
44	Sequence signatures of two public antibody clonotypes that bind SARS-CoV-2 receptor binding domain. <i>Nature Communications</i> , 2021 , 12, 3815	17.4	15
43	Structural basis of a public antibody response to SARS-CoV-2 2020 ,		14

42	Dynamics of B cell repertoires and emergence of cross-reactive responses in patients with different severities of COVID-19. <i>Cell Reports</i> , 2021 , 35, 109173	10.6	14
41	Cross-neutralization of a SARS-CoV-2 antibody to a functionally conserved site is mediated by avidity 2020 ,		13
40	Redox regulation of pyruvate kinase M2 by cysteine oxidation and S-nitrosation. <i>Biochemical Journal</i> , 2018 , 475, 3275-3291	3.8	13
39	SARS-CoV-2 Beta variant infection elicits potent lineage-specific and cross-reactive antibodies.. <i>Science</i> , 2022 , 375, eabm5835	33.3	12
38	COVA1-18 neutralizing antibody protects against SARS-CoV-2 in three preclinical models 2021 ,		10
37	Structure-based design of a highly stable, covalently-linked SARS-CoV-2 spike trimer with improved structural properties and immunogenicity		9
36	AID assists DNMT1 to attenuate BCL6 expression through DNA methylation in diffuse large B-cell lymphoma cell lines. <i>Neoplasia</i> , 2020 , 22, 142-153	6.4	8
35	Structures of Leishmania Fructose-1,6-Bisphosphatase Reveal Species-Specific Differences in the Mechanism of Allosteric Inhibition. <i>Journal of Molecular Biology</i> , 2017 , 429, 3075-3089	6.5	8
34	An alternative binding mode of IGHV3-53 antibodies to the SARS-CoV-2 receptor binding domain 2020 ,		8
33	Mapping the immunogenic landscape of near-native HIV-1 envelope trimers in non-human primates		7
32	Diverse immunoglobulin gene usage and convergent epitope targeting in neutralizing antibody responses to SARS-CoV-2. <i>Cell Reports</i> , 2021 , 35, 109109	10.6	7
31	A direct competitive enzyme-linked immunosorbent assay for rapid detection of anilofos residues in agricultural products and environmental samples. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2013 , 48, 1-8	2.2	6
30	Neutralizing Antibodies to SARS-CoV-2 Selected from a Human Antibody Library Constructed Decades Ago. <i>Advanced Science</i> , 2021 , e2102181	13.6	6
29	Potent SARS-CoV-2 neutralizing antibodies selected from a human antibody library constructed decades ago		6
28	Ultrapotent bispecific antibodies neutralize emerging SARS-CoV-2 variants 2021 ,		6
27	Pyruvate kinases have an intrinsic and conserved decarboxylase activity. <i>Biochemical Journal</i> , 2014 , 458, 301-11	3.8	5
26	A recurring YYDRxG pattern in broadly neutralizing antibodies to a conserved site on SARS-CoV-2, variants of concern, and related viruses		5
25	Pyruvate Kinase Regulates the Pentose-Phosphate Pathway in Response to Hypoxia in Mycobacterium tuberculosis. <i>Journal of Molecular Biology</i> , 2019 , 431, 3690-3705	6.5	4

24	Broadly neutralizing antibodies to SARS-related viruses can be readily induced in rhesus macaques		4
23	A large-scale systematic survey of SARS-CoV-2 antibodies reveals recurring molecular features 2021 ,		3
22	Broadening a SARS-CoV-1 neutralizing antibody for potent SARS-CoV-2 neutralization through directed evolution		3
21	NMR Based SARS-CoV-2 Antibody Screening. <i>Journal of the American Chemical Society</i> , 2021 , 143, 7930-7934	16.4	3
20	A combination of cross-neutralizing antibodies synergizes to prevent SARS-CoV-2 and SARS-CoV pseudovirus infection 2021 ,		3
19	Targeted isolation of panels of diverse human protective broadly neutralizing antibodies against SARS-like viruses. 2022 ,		3
18	SARS-CoV-2 Beta variant infection elicits potent lineage-specific and cross-reactive antibodies		3
17	Broadly neutralizing antibodies target the coronavirus fusion peptide. 2022 ,		3
16	Probing Affinity, Avidity, Anticooperativity, and Competition in Antibody and Receptor Binding to the SARS-CoV-2 Spike by Single Particle Mass Analyses. <i>ACS Central Science</i> , 2021 , 7, 1863-1873	16.8	2
15	Dynamics of B-cell repertoires and emergence of cross-reactive responses in COVID-19 patients with different disease severity 2021 ,		2
14	A natural mutation between SARS-CoV-2 and SARS-CoV determines neutralization by a cross-reactive antibody 2020 ,		2
13	Pyruvate kinase from <i>Plasmodium falciparum</i> : Structural and kinetic insights into the allosteric mechanism. <i>Biochemical and Biophysical Research Communications</i> , 2020 , 532, 370-376	3.4	2
12	Homologous and heterologous serological response to the N-terminal domain of SARS-CoV-2 in humans and mice. <i>European Journal of Immunology</i> , 2021 , 51, 2296-2305	6.1	2
11	Broadly neutralizing anti-S2 antibodies protect against all three human betacoronaviruses that cause severe disease. 2022 ,		2
10	A broad and potent neutralization epitope in SARS-related coronaviruses. 2022 ,		2
9	A large-scale systematic survey reveals recurring molecular features of public antibody responses to SARS-CoV-2.. <i>Immunity</i> , 2022 ,	32.3	2
8	Rapid Determination of Fumonisin B1 in Food Samples by a Clean-Up Tandem Immunoassay Column. <i>Advanced Materials Research</i> , 2012 , 488-489, 1568-1573	0.5	1
7	Dynamics of B-Cell Repertoires and Emergence of Cross-Reactive Responses in COVID-19 Patients with Different Disease Severity. <i>SSRN Electronic Journal</i> ,	1	1

- 6 Probing Affinity, Avidity, Anti-Cooperativity, and Competition in Antibody and Receptor Binding to the SARS-CoV-2 Spike by Single Particle Mass Analyses 1
- 5 Structural and kinetic characterization of Trypanosoma congolense pyruvate kinase. *Molecular and Biochemical Parasitology*, **2020**, 236, 111263 1.9
- 4 Mapping the immunogenic landscape of near-native HIV-1 envelope trimers in non-human primates **2020**, 16, e1008753
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- 2 Mapping the immunogenic landscape of near-native HIV-1 envelope trimers in non-human primates **2020**, 16, e1008753
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