

Meng Yuan

List of Publications by Year in descending order

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Version: 2024-02-01

56
papers

7,028
citations

186254

28
h-index

182417

51
g-index

86
all docs

86
docs citations

86
times ranked

11634
citing authors

#	ARTICLE	IF	CITATIONS
1	A highly conserved cryptic epitope in the receptor binding domains of SARS-CoV-2 and SARS-CoV. <i>Science</i> , 2020, 368, 630-633.	12.6	1,379
2	Isolation of potent SARS-CoV-2 neutralizing antibodies and protection from disease in a small animal model. <i>Science</i> , 2020, 369, 956-963.	12.6	1,287
3	Structural basis of a shared antibody response to SARS-CoV-2. <i>Science</i> , 2020, 369, 1119-1123.	12.6	536
4	Cross-reactive Antibody Response between SARS-CoV-2 and SARS-CoV Infections. <i>Cell Reports</i> , 2020, 31, 107725.	6.4	353
5	Serological assays for severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2), March 2020. <i>Eurosurveillance</i> , 2020, 25, .	7.0	309
6	Structural and functional ramifications of antigenic drift in recent SARS-CoV-2 variants. <i>Science</i> , 2021, 373, 818-823.	12.6	309
7	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.	28.9	305
8	Structure-guided multivalent nanobodies block SARS-CoV-2 infection and suppress mutational escape. <i>Science</i> , 2021, 371, .	12.6	304
9	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.	14.3	185
10	Recognition of the SARS-CoV-2 receptor binding domain by neutralizing antibodies. <i>Biochemical and Biophysical Research Communications</i> , 2021, 538, 192-203.	2.1	165
11	An Alternative Binding Mode of IGHV3-53 Antibodies to the SARS-CoV-2 Receptor Binding Domain. <i>Cell Reports</i> , 2020, 33, 108274.	6.4	152
12	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.	12.4	123
13	Broadly neutralizing antibodies target the coronavirus fusion peptide. <i>Science</i> , 2022, 377, 728-735.	12.6	111
14	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.	12.4	79
15	Mapping the immunogenic landscape of near-native HIV-1 envelope trimers in non-human primates. <i>PLoS Pathogens</i> , 2020, 16, e1008753.	4.7	61
16	SARS-CoV-2 Beta variant infection elicits potent lineage-specific and cross-reactive antibodies. <i>Science</i> , 2022, 375, 782-787.	12.6	60
17	Autologous Antibody Responses to an HIV Envelope Glycan Hole Are Not Easily Broadened in Rabbits. <i>Journal of Virology</i> , 2020, 94, .	3.4	57
18	A natural mutation between SARS-CoV-2 and SARS-CoV determines neutralization by a cross-reactive antibody. <i>PLoS Pathogens</i> , 2020, 16, e1009089.	4.7	55

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19	Allosteric pyruvate kinase-based "œlogic gate" synergistically senses energy and sugar levels in <i>Mycobacterium tuberculosis</i> . <i>Nature Communications</i> , 2017, 8, 1986.	12.8	49
20	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.	11.0	49
21	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, 4767-4774.	6.5	48
22	Enzyme-linked immunosorbent assay and colloidal gold-based immunochromatographic assay for several (fluoro)quinolones in milk. <i>Mikrochimica Acta</i> , 2011, 173, 307-316.	5.0	46
23	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.	6.4	46
24	An allostatic mechanism for M2 pyruvate kinase as an amino-acid sensor. <i>Biochemical Journal</i> , 2018, 475, 1821-1837.	3.7	44
25	Sequence signatures of two public antibody clonotypes that bind SARS-CoV-2 receptor binding domain. <i>Nature Communications</i> , 2021, 12, 3815.	12.8	44
26	A large-scale systematic survey reveals recurring molecular features of public antibody responses to SARS-CoV-2. <i>Immunity</i> , 2022, 55, 1105-1117.e4.	14.3	44
27	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.	11.0	42
28	Targeted isolation of diverse human protective broadly neutralizing antibodies against SARS-like viruses. <i>Nature Immunology</i> , 2022, 23, 960-970.	14.5	39
29	COVA1-18 neutralizing antibody protects against SARS-CoV-2 in three preclinical models. <i>Nature Communications</i> , 2021, 12, 6097.	12.8	38
30	A broad and potent neutralization epitope in SARS-related coronaviruses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	34
31	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.	5.0	32
32	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.	5.2	26
33	Redox regulation of pyruvate kinase M2 by cysteine oxidation and S-nitrosation. <i>Biochemical Journal</i> , 2018, 475, 3275-3291.	3.7	24
34	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, 10486-10493.	5.2	22
35	Diverse immunoglobulin gene usage and convergent epitope targeting in neutralizing antibody responses to SARS-CoV-2. <i>Cell Reports</i> , 2021, 35, 109109.	6.4	21
36	A gel-based visual immunoassay for non-instrumental detection of chloramphenicol in food samples. <i>Analytica Chimica Acta</i> , 2012, 751, 128-134.	5.4	20

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37	Enzyme-linked immunosorbent assay and immunochromatographic strip for rapid detection of atrazine in water samples. <i>Mikrochimica Acta</i> , 2012, 177, 177-184.	5.0	20
38	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.	11.3	20
39	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.	5.3	18
40	Neutralizing Antibodies to SARS-CoV-2 Selected from a Human Antibody Library Constructed Decades Ago. <i>Advanced Science</i> , 2022, 9, e2102181.	11.2	14
41	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.	4.2	11
42	NMR Based SARS-CoV-2 Antibody Screening. <i>Journal of the American Chemical Society</i> , 2021, 143, 7930-7934.	13.7	10
43	Pyruvate kinase from Plasmodium falciparum: Structural and kinetic insights into the allosteric mechanism. <i>Biochemical and Biophysical Research Communications</i> , 2020, 532, 370-376.	2.1	7
44	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.	2.9	7
45	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.	1.5	6
46	Pyruvate kinases have an intrinsic and conserved decarboxylase activity. <i>Biochemical Journal</i> , 2014, 458, 301-311.	3.7	6
47	Pyruvate Kinase Regulates the Pentose-Phosphate Pathway in Response to Hypoxia in Mycobacterium tuberculosis. <i>Journal of Molecular Biology</i> , 2019, 431, 3690-3705.	4.2	6
48	Inflammation accelerates BCR-ABL1+ B-ALL development through upregulation of AID. <i>Blood Advances</i> , 2022, 6, 4060-4072.	5.2	3
49	Dynamics of B-Cell Repertoires and Emergence of Cross-Reactive Responses in COVID-19 Patients with Different Disease Severity. <i>SSRN Electronic Journal</i> , 0, , .	0.4	2
50	Neutralizing Antibody Response to Sarbecovirus Is Delayed in Sequential Heterologous Immunization. <i>Viruses</i> , 2022, 14, 1382.	3.3	2
51	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.	0.3	1
52	Structural and kinetic characterization of Trypanosoma congolense pyruvate kinase. <i>Molecular and Biochemical Parasitology</i> , 2020, 236, 111263.	1.1	1
53	Mapping the immunogenic landscape of near-native HIV-1 envelope trimers in non-human primates. , 2020, 16, e1008753.		0
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