Yan Chai

List of Publications by Year
in descending order

39 papers	1,575 citations	279701 23 h-index	315616 38 g-index
40 all docs	40 docs citations	40 times ranked	2595 citing authors

#	Article	IF	Citations
1	An unexpected N-terminal loop in PD-1 dominates binding by nivolumab. Nature Communications, 2017, 8, 14369.	5.8	192
2	Structural basis of anti-PD-L1 monoclonal antibody avelumab for tumor therapy. Cell Research, 2017, 27, 151-153.	5.7	116
3	The crystal structure of Zika virus <scp>NS</scp> 5 reveals conserved drug targets. EMBO Journal, 2017, 36, 919-933.	3.5	107
4	Distinct PD-L1 binding characteristics of therapeutic monoclonal antibody durvalumab. Protein and Cell, 2018, 9, 135-139.	4.8	107
5	Structures of phlebovirus glycoprotein Gn and identification of a neutralizing antibody epitope. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E7564-E7573.	3.3	98
6	Molecular Basis of Arthritogenic Alphavirus Receptor MXRA8 Binding to Chikungunya Virus Envelope Protein. Cell, 2019, 177, 1714-1724.e12.	13.5	75
7	A broadly protective antibody that targets the flavivirus NS1 protein. Science, 2021, 371, 190-194.	6.0	66
8	Remarkably similar CTLA-4 binding properties of therapeutic ipilimumab and tremelimumab antibodies. Oncotarget, 2017, 8, 67129-67139.	0.8	65
9	Alternate binding modes of anti-CRISPR viral suppressors AcrF1/2 to Csy surveillance complex revealed by cryo-EM structures. Cell Research, 2017, 27, 853-864.	5.7	64
10	Disrupting LILRB4/APOE Interaction by an Efficacious Humanized Antibody Reverses T-cell Suppression and Blocks AML Development. Cancer Immunology Research, 2019, 7, 1244-1257.	1.6	51
11	Nâ€glycosylation of PDâ€1 promotes binding of camrelizumab. EMBO Reports, 2020, 21, e51444.	2.0	47
12	Protective T Cell Responses Featured by Concordant Recognition of Middle East Respiratory Syndrome Coronavirusâ€“Derived CD8+ T Cell Epitopes and Host MHC. Journal of Immunology, 2017, 198, 873-882.	0.4	42
13	Neutralization mechanism of human monoclonal antibodies against Rift Valley fever virus. Nature Microbiology, 2019, 4, 1231-1241.	5.9	39
14	An engineered bispecific human monoclonal antibody against SARS-CoV-2. Nature Immunology, 2022, 23, 423-430.	7.0	38
15	Two classes of protective antibodies against Pseudorabies virus variant glycoprotein B: Implications for vaccine design. PLoS Pathogens, 2017, 13, e1006777.	2.1	34
16	The FG Loop of PD-1 Serves as a â€œHotspotâ€•for Therapeutic Monoclonal Antibodies in Tumor Immune Checkpoint Therapy. IScience, 2019, 14, 113-124.	1.9	34
17	Limited Cross-Linking of 4-1BB by 4-1BB Ligand and the Agonist Monoclonal Antibody Utomilumab. Cell Reports, 2018, 25, 909-920.e4.	2.9	33
18	The structural basis of African swine fever virus pA104R binding to DNA and its inhibition by stilbene derivatives. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 11000-11009.	3.3	30

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19	Glycosylation-independent binding of monoclonal antibody toripalimab to FG loop of PD-1 for tumor immune checkpoint therapy. MAbs, 2019, 11, 681-690.	2.6	30
20	The identification of a CD47-blocking â€œhotspotâ€•and design of a CD47/PD-L1 dual-specific antibody with limited hemagglutination. Signal Transduction and Targeted Therapy, 2020, 5, 16.	7.1	29
21	Diversified Anchoring Features the Peptide Presentation of DLA-88*50801: First Structural Insight into Domestic Dog MHC Class I. Journal of Immunology, 2016, 197, 2306-2315.	0.4	25
22	Heterosubtypic Protections against Human-Infecting Avian Influenza Viruses Correlate to Biased Cross-T-Cell Responses. MBio, 2018, 9, .	1.8	25
23	The Postfusion Structure of the Heartland Virus Gc Glycoprotein Supports Taxonomic Separation of the Bunyaviral Families Phenuiviridae and Hantaviridae. Journal of Virology, 2018, 92, .	1.5	24
24	Crystal Structure of African Swine Fever Virus dUTPase Reveals a Potential Drug Target. MBio, 2019, 10, .	1.8	24
25	Peptide presentation by bat MHC class I provides new insight into the antiviral immunity of bats. PLoS Biology, 2019, 17, e3000436.	2.6	23
26	Protective Zika vaccines engineered to eliminate enhancement of dengue infection via immunodominance switch. Nature Immunology, 2021, 22, 958-968.	7.0	23
27	Molecular basis of EphA2 recognition by gHgL from gammaherpesviruses. Nature Communications, 2020, 11, 5964.	5.8	22
28	An Invariant Arginine in Common with MHC Class II Allows Extension at the C-Terminal End of Peptides Bound to Chicken MHC Class I. Journal of Immunology, 2018, 201, 3084-3095.	0.4	19
29	Molecular basis of Coxsackievirus A10 entry using the two-in-one attachment and uncoating receptor KRM1. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 18711-18718.	3.3	18
30	Structural insights into the cis and trans assembly of human trophoblast cell surface antigen 2. IScience, 2021, 24, 103190.	1.9	15
31	PD-1 N58-Glycosylation-Dependent Binding of Monoclonal Antibody Cemiplimab for Immune Checkpoint Therapy. Frontiers in Immunology, 2022, 13, 826045.	2.2	13
32	Divergent Peptide Presentations of HLA-A*30 Alleles Revealed by Structures With Pathogen Peptides. Frontiers in Immunology, 2019, 10, 1709.	2.2	12
33	Structure-Based Modification of an Anti-neuraminidase Human Antibody Restores Protection Efficacy against the Drifted Influenza Virus. MBio, 2020, 11, .	1.8	12
34	Structural basis of malarial parasite RIFIN-mediated immune escape against LAIR1. Cell Reports, 2021, 36, 109600.	2.9	7
35	Structural and functional insights into MCR-2 mediated colistin resistance. Science China Life Sciences, 2018, 61, 1432-1436.	2.3	5
36	Atypical TNF-TNFR superfamily binding interface in the GITR-GITRL complex for TÂcell activation. Cell Reports, 2021, 36, 109734.	2.9	3

#	Article	IF	Citations
37	Peptide Presentations of Marsupial MHC Class I Visualize Immune Features of Lower Mammals Paralleled with Bats. Journal of Immunology, 2021, 207, 2167-2178.	0.4	3
38	Mooring stone-like Arg 114 pulls diverse bulged peptides: first insight into African swine fever virus-derived T cell epitopes presented by swine MHC class I. Journal of Virology, 2021, , JVI0137821.	1.5	3
39	Stability and Structure of Bat Major Histocompatibility Complex Class I with Heterologous β₂-Microglobulin. Journal of Visualized Experiments, 2021, , .	0.2	2