

# Yan Chai

## List of Publications by Year in descending order

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Version: 2024-02-01

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 engineered bispecific human monoclonal antibody against SARS-CoV-2. <i>Nature Immunology</i> , 2022, 23, 423-430.	7.0	38
2	PD-1 N58-Glycosylation-Dependent Binding of Monoclonal Antibody Cemiplimab for Immune Checkpoint Therapy. <i>Frontiers in Immunology</i> , 2022, 13, 826045.	2.2	13
3	A broadly protective antibody that targets the flavivirus NS1 protein. <i>Science</i> , 2021, 371, 190-194.	6.0	66
4	Stability and Structure of Bat Major Histocompatibility Complex Class I with Heterologous $\beta_2$ -Microglobulin. <i>Journal of Visualized Experiments</i> , 2021, , .	0.2	2
5	Protective Zika vaccines engineered to eliminate enhancement of dengue infection via immunodominance switch. <i>Nature Immunology</i> , 2021, 22, 958-968.	7.0	23
6	Structural basis of malarial parasite RIFIN-mediated immune escape against LAIR1. <i>Cell Reports</i> , 2021, 36, 109600.	2.9	7
7	Structural insights into the cis and trans assembly of human trophoblast cell surface antigen 2. <i>IScience</i> , 2021, 24, 103190.	1.9	15
8	Atypical TNF-TNFR superfamily binding interface in the GITR-GITRL complex for T <sub>H</sub> cell activation. <i>Cell Reports</i> , 2021, 36, 109734.	2.9	3
9	Peptide Presentations of Marsupial MHC Class I Visualize Immune Features of Lower Mammals Paralleled with Bats. <i>Journal of Immunology</i> , 2021, 207, 2167-2178.	0.4	3
10	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. <i>Journal of Virology</i> , 2021, , JVI0137821.	1.5	3
11	Molecular basis of Coxsackievirus A10 entry using the two-in-one attachment and uncoating receptor KRM1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 18711-18718.	3.3	18
12	Molecular basis of EphA2 recognition by gHgL from gammaherpesviruses. <i>Nature Communications</i> , 2020, 11, 5964.	5.8	22
13	Structure-Based Modification of an Anti-neuraminidase Human Antibody Restores Protection Efficacy against the Drifted Influenza Virus. <i>MBio</i> , 2020, 11, .	1.8	12
14	N-glycosylation of PD-1 promotes binding of camrelizumab. <i>EMBO Reports</i> , 2020, 21, e51444.	2.0	47
15	The identification of a CD47-blocking "hotspot" and design of a CD47/PD-L1 dual-specific antibody with limited hemagglutination. <i>Signal Transduction and Targeted Therapy</i> , 2020, 5, 16.	7.1	29
16	The structural basis of African swine fever virus pA104R binding to DNA and its inhibition by stilbene derivatives. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 11000-11009.	3.3	30
17	Divergent Peptide Presentations of HLA-A*30 Alleles Revealed by Structures With Pathogen Peptides. <i>Frontiers in Immunology</i> , 2019, 10, 1709.	2.2	12
18	Peptide presentation by bat MHC class I provides new insight into the antiviral immunity of bats. <i>PLoS Biology</i> , 2019, 17, e3000436.	2.6	23

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19	Disrupting LILRB4/APOE Interaction by an Efficacious Humanized Antibody Reverses T-cell Suppression and Blocks AML Development. <i>Cancer Immunology Research</i> , 2019, 7, 1244-1257.	1.6	51
20	Molecular Basis of Arthritogenic Alphavirus Receptor MXRA8 Binding to Chikungunya Virus Envelope Protein. <i>Cell</i> , 2019, 177, 1714-1724.e12.	13.5	75
21	The FG Loop of PD-1 Serves as a "Hotspot" for Therapeutic Monoclonal Antibodies in Tumor Immune Checkpoint Therapy. <i>IScience</i> , 2019, 14, 113-124.	1.9	34
22	Neutralization mechanism of human monoclonal antibodies against Rift Valley fever virus. <i>Nature Microbiology</i> , 2019, 4, 1231-1241.	5.9	39
23	Crystal Structure of African Swine Fever Virus dUTPase Reveals a Potential Drug Target. <i>MBio</i> , 2019, 10, .	1.8	24
24	Glycosylation-independent binding of monoclonal antibody toripalimab to FG loop of PD-1 for tumor immune checkpoint therapy. <i>MABs</i> , 2019, 11, 681-690.	2.6	30
25	Distinct PD-L1 binding characteristics of therapeutic monoclonal antibody durvalumab. <i>Protein and Cell</i> , 2018, 9, 135-139.	4.8	107
26	The Postfusion Structure of the Heartland Virus Gc Glycoprotein Supports Taxonomic Separation of the Bunyaviral Families Phenuiviridae and Hantaviridae. <i>Journal of Virology</i> , 2018, 92, .	1.5	24
27	Limited Cross-Linking of 4-1BB by 4-1BB Ligand and the Agonist Monoclonal Antibody Utomilumab. <i>Cell Reports</i> , 2018, 25, 909-920.e4.	2.9	33
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. <i>Journal of Immunology</i> , 2018, 201, 3084-3095.	0.4	19
29	Structural and functional insights into MCR-2 mediated colistin resistance. <i>Science China Life Sciences</i> , 2018, 61, 1432-1436.	2.3	5
30	Heterosubtypic Protections against Human-Infecting Avian Influenza Viruses Correlate to Biased Cross-T-Cell Responses. <i>MBio</i> , 2018, 9, .	1.8	25
31	An unexpected N-terminal loop in PD-1 dominates binding by nivolumab. <i>Nature Communications</i> , 2017, 8, 14369.	5.8	192
32	The crystal structure of Zika virus NS5 reveals conserved drug targets. <i>EMBO Journal</i> , 2017, 36, 919-933.	3.5	107
33	Protective T Cell Responses Featured by Concordant Recognition of Middle East Respiratory Syndrome Coronavirus-Derived CD8+ T Cell Epitopes and Host MHC. <i>Journal of Immunology</i> , 2017, 198, 873-882.	0.4	42
34	Alternate binding modes of anti-CRISPR viral suppressors AcrF1/2 to Csy surveillance complex revealed by cryo-EM structures. <i>Cell Research</i> , 2017, 27, 853-864.	5.7	64
35	Structures of phlebovirus glycoprotein Gn and identification of a neutralizing antibody epitope. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E7564-E7573.	3.3	98
36	Structural basis of anti-PD-L1 monoclonal antibody avelumab for tumor therapy. <i>Cell Research</i> , 2017, 27, 151-153.	5.7	116

#	ARTICLE	IF	CITATIONS
37	Two classes of protective antibodies against Pseudorabies virus variant glycoprotein B: Implications for vaccine design. PLoS Pathogens, 2017, 13, e1006777.	2.1	34
38	Remarkably similar CTLA-4 binding properties of therapeutic ipilimumab and tremelimumab antibodies. Oncotarget, 2017, 8, 67129-67139.	0.8	65
39	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