

Daniel Wrapp

List of Publications by Year in Descending Order

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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.

51
papers

10,387
citations

25
h-index

56
g-index

56
ext. papers

14,023
ext. citations

20.2
avg, IF

7.19
L-index

#	Paper	IF	Citations
51	Structural basis for HCMV Pentamer recognition by neuropilin 2 and neutralizing antibodies.. <i>Science Advances</i> , 2022 , 8, eabm2546	14.3	0
50	Efficient discovery of SARS-CoV-2-neutralizing antibodies via B cell receptor sequencing and ligand blocking.. <i>Nature Biotechnology</i> , 2022 ,	44.5	6
49	A Combination of Receptor-Binding Domain and N-Terminal Domain Neutralizing Antibodies Limits the Generation of SARS-CoV-2 Spike Neutralization-Escape Mutants. <i>MBio</i> , 2021 , 12, e0247321	7.8	11
48	Expression and characterization of SARS-CoV-2 spike proteins. <i>Nature Protocols</i> , 2021 , 16, 5339-5356	18.8	4
47	The neutralizing antibody, LY-CoV555, protects against SARS-CoV-2 infection in nonhuman primates. <i>Science Translational Medicine</i> , 2021 , 13,	17.5	169
46	Vaccination with prefusion-stabilized respiratory syncytial virus fusion protein induces genetically and antigenically diverse antibody responses. <i>Immunity</i> , 2021 , 54, 769-780.e6	32.3	9
45	Cross-reactive coronavirus antibodies with diverse epitope specificities and Fc effector functions. <i>Cell Reports Medicine</i> , 2021 , 2, 100313	18	24
44	Efficient discovery of potentially neutralizing SARS-CoV-2 antibodies using LIBRA-seq with ligand blocking 2021 ,		2
43	Molecular determinants and mechanism for antibody cocktail preventing SARS-CoV-2 escape. <i>Nature Communications</i> , 2021 , 12, 469	17.4	74
42	Broad and potent activity against SARS-like viruses by an engineered human monoclonal antibody. <i>Science</i> , 2021 , 371, 823-829	33.3	157
41	Prolonged evolution of the human B cell response to SARS-CoV-2 infection. <i>Science Immunology</i> , 2021 , 6,	28	70
40	Local computational methods to improve the interpretability and analysis of cryo-EM maps. <i>Nature Communications</i> , 2021 , 12, 1240	17.4	13
39	Potent neutralization of SARS-CoV-2 variants of concern by an antibody with an uncommon genetic signature and structural mode of spike recognition. <i>Cell Reports</i> , 2021 , 37, 109784	10.6	7
38	Site-specific glycan analysis of the SARS-CoV-2 spike. <i>Science</i> , 2020 , 369, 330-333	33.3	768
37	Structural Basis for Potent Neutralization of Betacoronaviruses by Single-Domain Camelid Antibodies. <i>Cell</i> , 2020 , 181, 1004-1015.e15	56.2	319
36	Immunogenicity of a DNA vaccine candidate for COVID-19. <i>Nature Communications</i> , 2020 , 11, 2601	17.4	361
35	Broad neutralization of SARS-related viruses by human monoclonal antibodies. <i>Science</i> , 2020 , 369, 731-736	33.3	376

34	Cryo-EM structure of the 2019-nCoV spike in the prefusion conformation. <i>Science</i> , 2020 , 367, 1260-1263	33.3	5176
33	Continuous flexibility analysis of SARS-CoV-2 spike prefusion structures. <i>IUCrJ</i> , 2020 , 7,	4.7	25
32	Cryo-EM Structure of the 2019-nCoV Spike in the Prefusion Conformation 2020 ,		143
31	Site-specific analysis of the SARS-CoV-2 glycan shield 2020 ,		74
30	Broad sarbecovirus neutralizing antibodies define a key site of vulnerability on the SARS-CoV-2 spike protein 2020 ,		18
29	Structure-based Design of Prefusion-stabilized SARS-CoV-2 Spikes 2020 ,		27
28	SARS-CoV-2 mRNA Vaccine Development Enabled by Prototype Pathogen Preparedness 2020 ,		62
27	Continuous flexibility analysis of SARS-CoV-2 Spike prefusion structures 2020 ,		9
26	LY-CoV555, a rapidly isolated potent neutralizing antibody, provides protection in a non-human primate model of SARS-CoV-2 infection 2020 ,		64
25	An Engineered Antibody with Broad Protective Efficacy in Murine Models of SARS and COVID-19 2020 ,		11
24	Cross-reactive coronavirus antibodies with diverse epitope specificities and extra-neutralization functions 2020 ,		7
23	SARS-CoV-2 mRNA vaccine design enabled by prototype pathogen preparedness. <i>Nature</i> , 2020 , 586, 567-571	50.4	594
22	Structure-based design of prefusion-stabilized SARS-CoV-2 spikes. <i>Science</i> , 2020 , 369, 1501-1505	33.3	450
21	Recognition of a highly conserved glycoprotein B epitope by a bivalent antibody neutralizing HCMV at a post-attachment step. <i>PLoS Pathogens</i> , 2020 , 16, e1008736	7.6	5
20	Specificity and effector functions of non-neutralizing gB-specific monoclonal antibodies isolated from healthy individuals with human cytomegalovirus infection. <i>Virology</i> , 2020 , 548, 182-191	3.6	1
19	Structural basis for assembly of non-canonical small subunits into type I-C Cascade. <i>Nature Communications</i> , 2020 , 11, 5931	17.4	3
18	Recognition of a highly conserved glycoprotein B epitope by a bivalent antibody neutralizing HCMV at a post-attachment step 2020 , 16, e1008736		
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16	Recognition of a highly conserved glycoprotein B epitope by a bivalent antibody neutralizing HCMV at a post-attachment step 2020 , 16, e1008736		
15	Recognition of a highly conserved glycoprotein B epitope by a bivalent antibody neutralizing HCMV at a post-attachment step 2020 , 16, e1008736		
14	Iterative screen optimization maximizes the efficiency of macromolecular crystallization. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2019 , 75, 123-131	1.1	8
13	The 3.1-Angstrom Cryo-electron Microscopy Structure of the Porcine Epidemic Diarrhea Virus Spike Protein in the Prefusion Conformation. <i>Journal of Virology</i> , 2019 , 93,	6.6	40
12	Infants Infected with Respiratory Syncytial Virus Generate Potent Neutralizing Antibodies that Lack Somatic Hypermutation. <i>Immunity</i> , 2018 , 48, 339-349.e5	32.3	82
11	Stabilized coronavirus spikes are resistant to conformational changes induced by receptor recognition or proteolysis. <i>Scientific Reports</i> , 2018 , 8, 15701	4.9	259
10	Potent single-domain antibodies that arrest respiratory syncytial virus fusion protein in its prefusion state. <i>Nature Communications</i> , 2017 , 8, 14158	17.4	41
9	A highly potent extended half-life antibody as a potential RSV vaccine surrogate for all infants. <i>Science Translational Medicine</i> , 2017 , 9,	17.5	113
8	Immunogenicity and structures of a rationally designed prefusion MERS-CoV spike antigen. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E7348-E7357	11.5	615
7	General Assessment of Humoral Activity in Healthy Humans. <i>Molecular and Cellular Proteomics</i> , 2016 , 15, 1610-21	7.6	9
6	Receptor binding and proteolysis do not induce large conformational changes in the SARS-CoV spike		1
5	Structural Basis for Potent Neutralization of Betacoronaviruses by Single-domain Camelid Antibodies		10
4	Local computational methods to improve the interpretability and analysis of cryo-EM maps		2
3	Structural basis for HCMV Pentamer recognition by antibodies and neuropilin 2		1
2	Potent neutralization of SARS-CoV-2 variants of concern by an antibody with a unique genetic signature and structural mode of spike recognition		1
1	A combination of RBD and NTD neutralizing antibodies limits the generation of SARS-CoV-2 spike neutralization-escape mutants		2