

# Daniel Wrapp

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2652597/publications.pdf>

Version: 2024-02-01

36  
papers

16,427  
citations

236612

25  
h-index

360668

35  
g-index

56  
all docs

56  
docs citations

56  
times ranked

24596  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cryo-EM structure of the 2019-nCoV spike in the prefusion conformation. <i>Science</i> , 2020, 367, 1260-1263.	6.0	7,517
2	Site-specific glycan analysis of the SARS-CoV-2 spike. <i>Science</i> , 2020, 369, 330-333.	6.0	1,277
3	SARS-CoV-2 mRNA vaccine design enabled by prototype pathogen preparedness. <i>Nature</i> , 2020, 586, 567-571.	13.7	1,153
4	Structure-based design of prefusion-stabilized SARS-CoV-2 spikes. <i>Science</i> , 2020, 369, 1501-1505.	6.0	977
5	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.	3.3	944
6	Broad neutralization of SARS-related viruses by human monoclonal antibodies. <i>Science</i> , 2020, 369, 731-736.	6.0	534
7	Immunogenicity of a DNA vaccine candidate for COVID-19. <i>Nature Communications</i> , 2020, 11, 2601.	5.8	514
8	Structural Basis for Potent Neutralization of Betacoronaviruses by Single-Domain Camelid Antibodies. <i>Cell</i> , 2020, 181, 1004-1015.e15.	13.5	506
9	Stabilized coronavirus spikes are resistant to conformational changes induced by receptor recognition or proteolysis. <i>Scientific Reports</i> , 2018, 8, 15701.	1.6	408
10	The neutralizing antibody, LY-CoV555, protects against SARS-CoV-2 infection in nonhuman primates. <i>Science Translational Medicine</i> , 2021, 13, .	5.8	347
11	Broad and potent activity against SARS-like viruses by an engineered human monoclonal antibody. <i>Science</i> , 2021, 371, 823-829.	6.0	285
12	A highly potent extended half-life antibody as a potential RSV vaccine surrogate for all infants. <i>Science Translational Medicine</i> , 2017, 9, .	5.8	189
13	Prolonged evolution of the human B cell response to SARS-CoV-2 infection. <i>Science Immunology</i> , 2021, 6, .	5.6	153
14	Molecular determinants and mechanism for antibody cocktail preventing SARS-CoV-2 escape. <i>Nature Communications</i> , 2021, 12, 469.	5.8	148
15	Infants Infected with Respiratory Syncytial Virus Generate Potent Neutralizing Antibodies that Lack Somatic Hypermutation. <i>Immunity</i> , 2018, 48, 339-349.e5.	6.6	126
16	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, .	1.5	59
17	Potent single-domain antibodies that arrest respiratory syncytial virus fusion protein in its prefusion state. <i>Nature Communications</i> , 2017, 8, 14158.	5.8	58
18	Cross-reactive coronavirus antibodies with diverse epitope specificities and Fc effector functions. <i>Cell Reports Medicine</i> , 2021, 2, 100313.	3.3	56

#	ARTICLE	IF	CITATIONS
19	Continuous flexibility analysis of SARS-CoV-2 spike prefusion structures. <i>IUCr</i> , 2020, 7, 1059-1069.	1.0	39
20	Vaccination with prefusion-stabilized respiratory syncytial virus fusion protein induces genetically and antigenically diverse antibody responses. <i>Immunity</i> , 2021, 54, 769-780.e6.	6.6	37
21	Local computational methods to improve the interpretability and analysis of cryo-EM maps. <i>Nature Communications</i> , 2021, 12, 1240.	5.8	36
22	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.	1.8	35
23	Expression and characterization of SARS-CoV-2 spike proteins. <i>Nature Protocols</i> , 2021, 16, 5339-5356.	5.5	31
24	Efficient discovery of SARS-CoV-2-neutralizing antibodies via B cell receptor sequencing and ligand blocking. <i>Nature Biotechnology</i> , 2022, 40, 1270-1275.	9.4	27
25	Structural basis for assembly of non-canonical small subunits into type I-C Cascade. <i>Nature Communications</i> , 2020, 11, 5931.	5.8	23
26	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.	2.9	20
27	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.	2.1	17
28	Structural rearrangements allow nucleic acid discrimination by type I-D Cascade. <i>Nature Communications</i> , 2022, 13, .	5.8	17
29	General Assessment of Humoral Activity in Healthy Humans. <i>Molecular and Cellular Proteomics</i> , 2016, 15, 1610-1621.	2.5	15
30	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.	1.1	11
31	Iterative screen optimization maximizes the efficiency of macromolecular crystallization. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2019, 75, 123-131.	0.4	8
32	Structural basis for HCMV Pentamer recognition by neuropilin 2 and neutralizing antibodies. <i>Science Advances</i> , 2022, 8, eabm2546.	4.7	8
33	Title is missing!. , 2020, 16, e1008736.		0
34	Title is missing!. , 2020, 16, e1008736.		0
35	Title is missing!. , 2020, 16, e1008736.		0
36	Title is missing!. , 2020, 16, e1008736.		0