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List of Publications by Year in Descending Order

55 papers	12,988 citations	36 h-index	57 g-index
57 ext. papers	17,664 ext. citations	24.8 avg, IF	7.45 L-index

#	Paper	IF	Citations
55	SARS-CoV-2 spike conformation determines plasma neutralizing activity. **2021**,		6
54	Elicitation of broadly protective sarbecovirus immunity by receptor-binding domain nanoparticle vaccines **2021**,		12
53	Sensitivity of SARS-CoV-2 B.1.1.7 to mRNA vaccine-elicited antibodies. *Nature*, **2021**, 593, 136-141	50.4	376
52	N-terminal domain antigenic mapping reveals a site of vulnerability for SARS-CoV-2. *Cell*, **2021**, 184, 2332-2347.e16	56.2	396
51	SARS-CoV-2 immune evasion by variant B.1.427/B.1.429 **2021**,		62
50	Structural basis for broad sarbecovirus neutralization by a human monoclonal antibody **2021**,		14
49	Structural basis for broad coronavirus neutralization. *Nature Structural and Molecular Biology*, **2021**, 28, 478-486	17.6	65
48	SARS-CoV-2 immune evasion by the B.1.427/B.1.429 variant of concern. *Science*, **2021**, 373, 648-654	33.3	197
47	N-terminal domain antigenic mapping reveals a site of vulnerability for SARS-CoV-2 **2021**,		34
46	Broad sarbecovirus neutralization by a human monoclonal antibody. *Nature*, **2021**, 597, 103-108	50.4	94
45	SARS-CoV-2 RBD antibodies that maximize breadth and resistance to escape. *Nature*, **2021**, 597, 97-102	50.4	118
44	Elicitation of broadly protective sarbecovirus immunity by receptor-binding domain nanoparticle vaccines. *Cell*, **2021**, 184, 5432-5447.e16	56.2	34
43	Broad betacoronavirus neutralization by a stem helix-specific human antibody. *Science*, **2021**, 373, 1109-1116	33.3	80
42	SARS-CoV-2 B.1.1.7 sensitivity to mRNA vaccine-elicited, convalescent and monoclonal antibodies **2021**,		69
41	Protocol and Reagents for Pseudotyping Lentiviral Particles with SARS-CoV-2 Spike Protein for Neutralization Assays. *Viruses*, **2020**, 12,	6.2	360
40	Cross-neutralization of SARS-CoV-2 by a human monoclonal SARS-CoV antibody. *Nature*, **2020**, 583, 290-295	50.4	1028
39	Structure, Function, and Antigenicity of the SARS-CoV-2 Spike Glycoprotein. *Cell*, **2020**, 181, 281-292.e6	56.2	4571

38	Structural and functional analysis of a potent sarbecovirus neutralizing antibody **2020**,		42
37	Deep mutational scanning of SARS-CoV-2 receptor binding domain reveals constraints on folding and ACE2 binding **2020**,		33
36	Mapping Neutralizing and Immunodominant Sites on the SARS-CoV-2 Spike Receptor-Binding Domain by Structure-Guided High-Resolution Serology. *Cell*, **2020**, 183, 1024-1042.e21	56.2	601
35	Deep Mutational Scanning of SARS-CoV-2 Receptor Binding Domain Reveals Constraints on Folding and ACE2 Binding. *Cell*, **2020**, 182, 1295-1310.e20	56.2	935
34	Ultrapotent human antibodies protect against SARS-CoV-2 challenge via multiple mechanisms. *Science*, **2020**, 370, 950-957	33.3	314
33	Unexpected Receptor Functional Mimicry Elucidates Activation of Coronavirus Fusion. *Cell*, **2019**, 176, 1026-1039.e15	56.2	416
32	Structural basis for human coronavirus attachment to sialic acid receptors. *Nature Structural and Molecular Biology*, **2019**, 26, 481-489	17.6	341
31	Structural Studies of Coronavirus Fusion Proteins. *Microscopy and Microanalysis*, **2019**, 25, 1300-1301	0.5	3
30	Structural insights into coronavirus entry. *Advances in Virus Research*, **2019**, 105, 93-116	10.7	479
29	Structures of MERS-CoV spike glycoprotein in complex with sialoside attachment receptors. *Nature Structural and Molecular Biology*, **2019**, 26, 1151-1157	17.6	161
28	Glycan Shield and Fusion Activation of a Deltacoronavirus Spike Glycoprotein Fine-Tuned for Enteric Infections. *Journal of Virology*, **2018**, 92,	6.6	92
27	The Ancient Gamete Fusogen HAP2 Is a Eukaryotic Class II Fusion Protein. *Cell*, **2017**, 168, 904-915.e10	56.2	109
26	A glycerophospholipid-specific pocket in the RVFV class II fusion protein drives target membrane insertion. *Science*, **2017**, 358, 663-667	33.3	35
25	Tectonic conformational changes of a coronavirus spike glycoprotein promote membrane fusion. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 11157-11162	11.5	351
24	A positive-strand RNA virus uses alternative protein-protein interactions within a viral protease/cofactor complex to switch between RNA replication and virion morphogenesis. *PLoS Pathogens*, **2017**, 13, e1006134	7.6	15
23	Identification of sialic acid-binding function for the Middle East respiratory syndrome coronavirus spike glycoprotein. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, E8508-E8517	11.5	216
22	Crucial steps in the structure determination of a coronavirus spike glycoprotein using cryo-electron microscopy. *Protein Science*, **2017**, 26, 113-121	6.3	28
21	Glycan shield and epitope masking of a coronavirus spike protein observed by cryo-electron microscopy. *Nature Structural and Molecular Biology*, **2016**, 23, 899-905	17.6	252

20	Cryo-electron microscopy structure of a coronavirus spike glycoprotein trimer. *Nature*, **2016**, 531, 114-117	50.4	354
19	Mechanistic Insight into Bunyavirus-Induced Membrane Fusion from Structure-Function Analyses of the Hantavirus Envelope Glycoprotein Gc. *PLoS Pathogens*, **2016**, 12, e1005813	7.6	43
18	X-ray structure of the pestivirus NS3 helicase and its conformation in solution. *Journal of Virology*, **2015**, 89, 4356-71	6.6	8
17	A Druggable Pocket at the Nucleocapsid/Phosphoprotein Interaction Site of Human Respiratory Syncytial Virus. *Journal of Virology*, **2015**, 89, 11129-43	6.6	35
16	Functional and evolutionary insight from the crystal structure of rubella virus protein E1. *Nature*, **2013**, 493, 552-6	50.4	69
15	Autocatalytic cleavage within classical swine fever virus NS3 leads to a functional separation of protease and helicase. *Journal of Virology*, **2013**, 87, 11872-83	6.6	30
14	Expression and purification of Z protein from Junín virus. *Journal of Biomedicine and Biotechnology*, **2010**, 2010, 970491		4
13	Mechanism for coordinated RNA packaging and genome replication by rotavirus polymerase VP1. *Structure*, **2008**, 16, 1678-88	5.2	130
12	Coupling of rotavirus genome replication and capsid assembly. *Advances in Virus Research*, **2007**, 69, 167-201	2.67	37
11	A base-specific recognition signal in the 5aconsensus sequence of rotavirus plus-strand RNAs promotes replication of the double-stranded RNA genome segments. *Rna*, **2006**, 12, 133-46	5.8	38
10	Rotavirus genome replication and morphogenesis: role of the viroplasm. *Current Topics in Microbiology and Immunology*, **2006**, 309, 169-87	3.3	79
9	Rotavirus glycoprotein NSP4 is a modulator of viral transcription in the infected cell. *Journal of Virology*, **2005**, 79, 15165-74	6.6	37
8	Cell-line-induced mutation of the rotavirus genome alters expression of an IRF3-interacting protein. *EMBO Journal*, **2004**, 23, 4072-81	13	15
7	Rotavirus NSP2 interferes with the core lattice protein VP2 in initiation of minus-strand synthesis. *Virology*, **2003**, 313, 261-73	3.6	10
6	Template recognition and formation of initiation complexes by the replicase of a segmented double-stranded RNA virus. *Journal of Biological Chemistry*, **2003**, 278, 32673-82	5.4	51
5	Arenavirus nucleocapsid protein displays a transcriptional antitermination activity in vivo. *Virus Research*, **2001**, 73, 41-55	6.4	46
4	Structure, receptor recognition and antigenicity of the human coronavirus CCoV-HuPn-2018 spike glycoprotein		2
3	Protocol and reagents for pseudotyping lentiviral particles with SARS-CoV-2 Spike protein for neutralization assays		45

List of Publications

2	A human antibody that broadly neutralizes betacoronaviruses protects against SARS-CoV-2 by blocking the fusion machinery	13
1	ACE2 engagement exposes the fusion peptide to pan-coronavirus neutralizing antibodies	3