Allison J Greaney

List of Publications by Year
in descending order

25	7,531	361413	580821
papers	citations	20 h-index	25 g-index

46	46	46	9772
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Deep Mutational Scanning of SARS-CoV-2 Receptor Binding Domain Reveals Constraints on Folding and ACE2 Binding. Cell, 2020, 182, 1295-1310.e20.	28.9	1,726
2	Comprehensive mapping of mutations in the SARS-CoV-2 receptor-binding domain that affect recognition by polyclonal human plasma antibodies. Cell Host and Microbe, 2021, 29, 463-476.e6.	11.0	1,054
3	Complete Mapping of Mutations to the SARS-CoV-2 Spike Receptor-Binding Domain that Escape Antibody Recognition. Cell Host and Microbe, 2021, 29, 44-57.e9.	11.0	937
4	Prospective mapping of viral mutations that escape antibodies used to treat COVID-19. Science, 2021, 371, 850-854.	12.6	700
5	Complete map of SARS-CoV-2 RBD mutations that escape the monoclonal antibody LY-CoV555 and its cocktail with LY-CoV016. Cell Reports Medicine, 2021, 2, 100255.	6.5	402
6	SARS-CoV-2 RBD antibodies that maximize breadth and resistance to escape. Nature, 2021, 597, 97-102.	27.8	385
7	Mapping mutations to the SARS-CoV-2 RBD that escape binding by different classes of antibodies. Nature Communications, 2021, 12, 4196.	12.8	332
8	Genetic and structural basis for SARS-CoV-2 variant neutralization by a two-antibody cocktail. Nature Microbiology, 2021, 6, 1233-1244.	13.3	237
9	Antibodies elicited by mRNA-1273 vaccination bind more broadly to the receptor binding domain than do those from SARS-CoV-2 infection. Science Translational Medicine, 2021, 13, .	12.4	198
10	Shifting mutational constraints in the SARS-CoV-2 receptor-binding domain during viral evolution. Science, 2022, 377, 420-424.	12.6	140
11	Mosaic RBD nanoparticles protect against challenge by diverse sarbecoviruses in animal models. Science, 2022, 377, .	12.6	120
12	Sulforaphane inhibits multiple inflammasomes through an Nrf2-independent mechanism. Journal of Leukocyte Biology, 2016, 99, 189-199.	3.3	118
13	ACE2 binding is an ancestral and evolvable trait of sarbecoviruses. Nature, 2022, 603, 913-918.	27.8	109
14	An antibody-escape estimator for mutations to the SARS-CoV-2 receptor-binding domain. Virus Evolution, 2022, 8, veac021.	4.9	93
15	Bacterial Exotoxins and the Inflammasome. Frontiers in Immunology, 2015, 6, 570.	4.8	87
16	Selection Analysis Identifies Clusters of Unusual Mutational Changes in Omicron Lineage BA.1 That Likely Impact Spike Function. Molecular Biology and Evolution, 2022, 39, .	8.9	84
17	The rosetteless gene controls development in the choanoflagellate S. rosetta. ELife, 2014, 3, .	6.0	83
18	A SARS-CoV-2 variant elicits an antibody response with a shifted immunodominance hierarchy. PLoS Pathogens, 2022, 18, e1010248.	4.7	48

#	Article	IF	Citations
19	Stabilization of the SARS-CoV-2 Spike Receptor-Binding Domain Using Deep Mutational Scanning and Structure-Based Design. Frontiers in Immunology, 2021, 12, 710263.	4.8	32
20	A Diverse Set of Single-domain Antibodies (VHHs) against the Anthrax Toxin Lethal and Edema Factors Provides a Basis for Construction of a Bispecific Agent That Protects against Anthrax Infection. Journal of Biological Chemistry, 2016, 291, 21596-21606.	3.4	28
21	Attenuated Influenza Virions Expressing the SARS-CoV-2 Receptor-Binding Domain Induce Neutralizing Antibodies in Mice. Viruses, 2020, 12, 987.	3.3	20
22	Frontline Science: Anthrax lethal toxin-induced, NLRP1-mediated IL-1Î² release is a neutrophil and PAD4-dependent event. Journal of Leukocyte Biology, 2020, 108, 773-786.	3.3	15
23	Neutralizing Monoclonal Antibodies That Target the Spike Receptor Binding Domain Confer Fc Receptor-Independent Protection against SARS-CoV-2 Infection in Syrian Hamsters. MBio, 2021, 12, e0239521.	4.1	13
24	The SARS-CoV-2 Delta variant induces an antibody response largely focused on class 1 and 2 antibody epitopes. PLoS Pathogens, 2022, 18, e1010592.	4.7	13
25	Co-dominant neutralizing epitopes make anti-measles immunity resistant to viral evolution. Cell Reports Medicine, 2021, 2, 100257.	6.5	8