

# Katharine Dusenbury

## List of Publications by Citations

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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.

31  
papers

3,733  
citations

18  
h-index

34  
g-index

34  
ext. papers

5,682  
ext. citations

14.6  
avg, IF

6.36  
L-index

#	Paper	IF	Citations
31	Deep Mutational Scanning of SARS-CoV-2 Receptor Binding Domain Reveals Constraints on Folding and ACE2 Binding. <i>Cell</i> , <b>2020</b> , 182, 1295-1310.e20	56.2	935
30	Comprehensive mapping of mutations in the SARS-CoV-2 receptor-binding domain that affect recognition by polyclonal human plasma antibodies. <i>Cell Host and Microbe</i> , <b>2021</b> , 29, 463-476.e6	23.4	569
29	Complete Mapping of Mutations to the SARS-CoV-2 Spike Receptor-Binding Domain that Escape Antibody Recognition. <i>Cell Host and Microbe</i> , <b>2021</b> , 29, 44-57.e9	23.4	525
28	Protocol and Reagents for Pseudotyping Lentiviral Particles with SARS-CoV-2 Spike Protein for Neutralization Assays. <i>Viruses</i> , <b>2020</b> , 12,	6.2	360
27	Neutralizing Antibodies Correlate with Protection from SARS-CoV-2 in Humans during a Fishery Vessel Outbreak with a High Attack Rate. <i>Journal of Clinical Microbiology</i> , <b>2020</b> , 58,	9.7	320
26	Spread of a SARS-CoV-2 variant through Europe in the summer of 2020. <i>Nature</i> , <b>2021</b> , 595, 707-712	50.4	168
25	Emergence and spread of a SARS-CoV-2 variant through Europe in the summer of 2020 <b>2021</b> ,		142
24	Dynamics of Neutralizing Antibody Titers in the Months After Severe Acute Respiratory Syndrome Coronavirus 2 Infection. <i>Journal of Infectious Diseases</i> , <b>2021</b> , 223, 197-205	7	119
23	Comprehensive mapping of mutations to the SARS-CoV-2 receptor-binding domain that affect recognition by polyclonal human serum antibodies		97
22	A human coronavirus evolves antigenically to escape antibody immunity. <i>PLoS Pathogens</i> , <b>2021</b> , 17, e1009453	9.453	93
21	Antibodies elicited by mRNA-1273 vaccination bind more broadly to the receptor binding domain than do those from SARS-CoV-2 infection. <i>Science Translational Medicine</i> , <b>2021</b> , 13,	17.5	74
20	Protocol and reagents for pseudotyping lentiviral particles with SARS-CoV-2 Spike protein for neutralization assays		45
19	Serological identification of SARS-CoV-2 infections among children visiting a hospital during the initial Seattle outbreak. <i>Nature Communications</i> , <b>2020</b> , 11, 4378	17.4	45
18	Dynamics of neutralizing antibody titers in the months after SARS-CoV-2 infection		38
17	Deep mutational scanning of SARS-CoV-2 receptor binding domain reveals constraints on folding and ACE2 binding <b>2020</b> ,		33
16	Complete mapping of mutations to the SARS-CoV-2 spike receptor-binding domain that escape antibody recognition <b>2020</b> ,		32
15	Neutralizing antibodies correlate with protection from SARS-CoV-2 in humans during a fishery vessel outbreak with high attack rate <b>2020</b> ,		26

14	Identification of HIV gp41-specific antibodies that mediate killing of infected cells. <i>PLoS Pathogens</i> , <b>2019</b> , 15, e1007572	7.6	21
13	A human coronavirus evolves antigenically to escape antibody immunity		17
12	Functional analysis of clinical response to low-dose IL-2 in patients with refractory chronic graft-versus-host disease. <i>Blood Advances</i> , <b>2019</b> , 3, 984-994	7.8	12
11	The SARS-CoV-2 mRNA-1273 vaccine elicits more RBD-focused neutralization, but with broader antibody binding within the RBD <b>2021</b> ,		11
10	Epitope profiling reveals binding signatures of SARS-CoV-2 immune response in natural infection and cross-reactivity with endemic human CoVs. <i>Cell Reports</i> , <b>2021</b> , 35, 109164	10.6	10
9	Serological identification of SARS-CoV-2 infections among children visiting a hospital during the initial Seattle outbreak <b>2020</b> ,		9
8	Attenuated Influenza Virions Expressing the SARS-CoV-2 Receptor-Binding Domain Induce Neutralizing Antibodies in Mice. <i>Viruses</i> , <b>2020</b> , 12,	6.2	9
7	Stabilization of the SARS-CoV-2 Spike Receptor-Binding Domain Using Deep Mutational Scanning and Structure-Based Design. <i>Frontiers in Immunology</i> , <b>2021</b> , 12, 710263	8.4	7
6	alignparse: A Python package for parsing complex features from high-throughput long-read sequencing. <i>Journal of Open Source Software</i> , <b>2019</b> , 4,	5.2	6
5	Phage-DMS: A Comprehensive Method for Fine Mapping of Antibody Epitopes. <i>IScience</i> , <b>2020</b> , 23, 101628.1		6
4	Attenuated influenza virions expressing the SARS-CoV-2 receptor-binding domain induce neutralizing antibodies in mice <b>2020</b> ,		2
3	Dynamics of infection-elicited SARS-CoV-2 antibodies in children over time. <b>2022</b> ,		1
2	alignparse: A Python package for parsing complex features from high-throughput long-read sequencing		1
1	Long-Term Homeostatic Effects of Daily Low-Dose IL-2 on CD4+ FoxP3+ Regulatory T Cells in Patients with Active Chronic Graft-Versus-Host Disease. <i>Blood</i> , <b>2015</b> , 126, 3133-3133	2.2	