

Laura E Rosen

List of Publications by Citations

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21
papers

2,748
citations

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g-index

21
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5,083
ext. citations

42.1
avg, IF

4.81
L-index

#	Paper	IF	Citations
21	Mapping Neutralizing and Immunodominant Sites on the SARS-CoV-2 Spike Receptor-Binding Domain by Structure-Guided High-Resolution Serology. <i>Cell</i> , 2020 , 183, 1024-1042.e21	56.2	601
20	N-terminal domain antigenic mapping reveals a site of vulnerability for SARS-CoV-2. <i>Cell</i> , 2021 , 184, 2332-2347.e16	56.2	316
19	Circulating SARS-CoV-2 spike N439K variants maintain fitness while evading antibody-mediated immunity. <i>Cell</i> , 2021 , 184, 1171-1187.e20	56.2	331
18	Ultrapotent human antibodies protect against SARS-CoV-2 challenge via multiple mechanisms. <i>Science</i> , 2020 , 370, 950-957	33.3	314
17	Broadly neutralizing antibodies overcome SARS-CoV-2 Omicron antigenic shift.. <i>Nature</i> , 2021 ,	50.4	204
16	SARS-CoV-2 immune evasion by the B.1.427/B.1.429 variant of concern. <i>Science</i> , 2021 , 373, 648-654	33.3	197
15	SARS-CoV-2 RBD antibodies that maximize breadth and resistance to escape. <i>Nature</i> , 2021 , 597, 97-102	50.4	118
14	Broad sarbecovirus neutralization by a human monoclonal antibody. <i>Nature</i> , 2021 , 597, 103-108	50.4	94
13	Broad betacoronavirus neutralization by a stem helix-specific human antibody. <i>Science</i> , 2021 , 373, 1109-1116	33.3	80
12	Structural basis of SARS-CoV-2 Omicron immune evasion and receptor engagement.. <i>Science</i> , 2022 , 375, eabn8652	33.3	71
11	Molecular basis of immune evasion by the Delta and Kappa SARS-CoV-2 variants. <i>Science</i> , 2021 , eabl8506	33.3	65
10	SARS-CoV-2 immune evasion by variant B.1.427/B.1.429 2021 ,		62
9	The circulating SARS-CoV-2 spike variant N439K maintains fitness while evading antibody-mediated immunity		53
8	Broadly neutralizing antibodies overcome SARS-CoV-2 Omicron antigenic shift. <i>Nature</i> ,	50.4	44
7	N-terminal domain antigenic mapping reveals a site of vulnerability for SARS-CoV-2 2021 ,		34
6	Antibody-mediated broad sarbecovirus neutralization through ACE2 molecular mimicry.. <i>Science</i> , 2022 , 375, eabm8143	33.3	23
5	Broadly neutralizing antibodies overcome SARS-CoV-2 Omicron antigenic shift. 2021 ,		16

- 4 Structural basis for broad sarbecovirus neutralization by a human monoclonal antibody **2021**, 14
- 3 A human antibody that broadly neutralizes betacoronaviruses protects against SARS-CoV-2 by blocking the fusion machinery 13
- 2 Antibodies to the SARS-CoV-2 receptor-binding domain that maximize breadth and resistance to viral escape **2021**, 12
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