

# Elad Binshtein

## 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.

25 papers	2,054 citations	17 h-index	31 g-index
31 ext. papers	3,004 ext. citations	20.8 avg, IF	5.07 L-index

#	Paper	IF	Citations
25	Potently neutralizing and protective human antibodies against SARS-CoV-2. <i>Nature</i> , <b>2020</b> , 584, 443-449	50.4	609
24	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
23	Rapid isolation and profiling of a diverse panel of human monoclonal antibodies targeting the SARS-CoV-2 spike protein. <i>Nature Medicine</i> , <b>2020</b> , 26, 1422-1427	50.5	283
22	Neutralizing and protective human monoclonal antibodies recognizing the N-terminal domain of the SARS-CoV-2 spike protein. <i>Cell</i> , <b>2021</b> , 184, 2316-2331.e15	56.2	168
21	Genetic and structural basis for SARS-CoV-2 variant neutralization by a two-antibody cocktail. <i>Nature Microbiology</i> , <b>2021</b> , 6, 1233-1244	26.6	72
20	Glyoxylate carboligase lacks the canonical active site glutamate of thiamine-dependent enzymes. <i>Nature Chemical Biology</i> , <b>2008</b> , 4, 113-8	11.7	48
19	Multifunctional Pan-ebolavirus Antibody Recognizes a Site of Broad Vulnerability on the Ebolavirus Glycoprotein. <i>Immunity</i> , <b>2018</b> , 49, 363-374.e10	32.3	47
18	Cryo-electron microscopy and the amazing race to atomic resolution. <i>Biochemistry</i> , <b>2015</b> , 54, 3133-41	3.2	37
17	Rapid isolation and profiling of a diverse panel of human monoclonal antibodies targeting the SARS-CoV-2 spike protein <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	Genetic and structural basis for recognition of SARS-CoV-2 spike protein by a two-antibody cocktail <b>2021</b> ,		28
14	Potently neutralizing human antibodies that block SARS-CoV-2 receptor binding and protect animals <b>2020</b> ,		24
13	Convergent antibody responses to the SARS-CoV-2 spike protein in convalescent and vaccinated individuals. <i>Cell Reports</i> , <b>2021</b> , 36, 109604	10.6	22
12	Neutralizing and protective human monoclonal antibodies recognizing the N-terminal domain of the SARS-CoV-2 spike protein <b>2021</b> ,		21
11	Mammalian Retromer Is an Adaptable Scaffold for Cargo Sorting from Endosomes. <i>Structure</i> , <b>2020</b> , 28, 393-405.e4	5.2	20
10	While the revolution will not be crystallized, biochemistry reigns supreme. <i>Protein Science</i> , <b>2017</b> , 26, 69-81	3.3	19
9	Human antibody recognition of antigenic site IV on Pneumovirus fusion proteins. <i>PLoS Pathogens</i> , <b>2018</b> , 14, e1006837	7.6	17

8	Glyoxylate carboligase: a unique thiamin diphosphate-dependent enzyme that can cycle between the 4gaminopyrimidinium and 1g4giminopyrimidine tautomeric forms in the absence of the conserved glutamate. <i>Biochemistry</i> , <b>2012</b> , 51, 7940-52	3.2	14
7	Origin of the specificities of acetohydroxyacid synthases and glyoxylate carboligase. <i>Journal of Molecular Catalysis B: Enzymatic</i> , <b>2009</b> , 61, 50-55		10
6	Human Antibodies Protect against Aerosolized Eastern Equine Encephalitis Virus Infection. <i>Cell</i> , <b>2020</b> , 183, 1884-1900.e23	56.2	8
5	Structure and assembly of CAV1 8S complexes revealed by single particle electron microscopy. <i>Science Advances</i> , <b>2020</b> , 6,	14.3	8
4	Cooperativity mediated by rationally selected combinations of human monoclonal antibodies targeting the henipavirus receptor binding protein. <i>Cell Reports</i> , <b>2021</b> , 36, 109628	10.6	7
3	Structure and assembly of CAV1 8S complexes revealed by single particle electron microscopy		1
2	An antibody targeting the N-terminal domain of SARS-CoV-2 disrupts the spike trimer.. <i>Journal of Clinical Investigation</i> , <b>2022</b> ,	15.9	1
1	Epitope-focused immunogen design based on the ebolavirus glycoprotein HR2-MPER region.. <i>PLoS Pathogens</i> , <b>2022</b> , 18, e1010518	7.6	