

Sophie M C Gobeil

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

2,523
citations

643344

15
h-index

843174

20
g-index

32
all docs

32
docs citations

32
times ranked

4969
citing authors

#	ARTICLE	IF	CITATIONS
1	A broadly cross-reactive antibody neutralizes and protects against sarbecovirus challenge in mice. <i>Science Translational Medicine</i> , 2022, 14, eabj7125.	5.8	93
2	Structural diversity of the SARS-CoV-2 Omicron spike. <i>Molecular Cell</i> , 2022, 82, 2050-2068.e6.	4.5	125
3	Cryo-EM structures of SARS-CoV-2 Omicron BA.2 spike. <i>Cell Reports</i> , 2022, 39, 111009.	2.9	74
4	D614G Spike Mutation Increases SARS CoV-2 Susceptibility to Neutralization. <i>Cell Host and Microbe</i> , 2021, 29, 23-31.e4.	5.1	308
5	D614G Mutation Alters SARS-CoV-2 Spike Conformation and Enhances Protease Cleavage at the S1/S2 Junction. <i>Cell Reports</i> , 2021, 34, 108630.	2.9	263
6	Development of sulfahydantoin derivatives as β -lactamase inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2021, 35, 127781.	1.0	1
7	Neutralizing antibody vaccine for pandemic and pre-emergent coronaviruses. <i>Nature</i> , 2021, 594, 553-559.	13.7	199
8	Fab-dimerized glycan-reactive antibodies are a structural category of natural antibodies. <i>Cell</i> , 2021, 184, 2955-2972.e25.	13.5	57
9	Effect of natural mutations of SARS-CoV-2 on spike structure, conformation, and antigenicity. <i>Science</i> , 2021, 373, .	6.0	318
10	InÂvitro and inÂvivo functions of SARS-CoV-2 infection-enhancing and neutralizing antibodies. <i>Cell</i> , 2021, 184, 4203-4219.e32.	13.5	228
11	Cold sensitivity of the SARS-CoV-2 spike ectodomain. <i>Nature Structural and Molecular Biology</i> , 2021, 28, 128-131.	3.6	65
12	Leveraging Fungal and Human Calcineurin-Inhibitor Structures, Biophysical Data, and Dynamics To Design Selective and Nonimmunosuppressive FK506 Analogs. <i>MBio</i> , 2021, 12, e0300021.	1.8	14
13	Controlling the SARS-CoV-2 spike glycoprotein conformation. <i>Nature Structural and Molecular Biology</i> , 2020, 27, 925-933.	3.6	376
14	FKBP12 dimerization mutations effect FK506 binding and differentially alter calcineurin inhibition in the human pathogen <i>Aspergillus fumigatus</i> . <i>Biochemical and Biophysical Research Communications</i> , 2020, 526, 48-54.	1.0	5
15	Harnessing calcineurin-FK506-FKBP12 crystal structures from invasive fungal pathogens to develop antifungal agents. <i>Nature Communications</i> , 2019, 10, 4275.	5.8	80
16	The Structural Dynamics of Engineered β -Lactamases Vary Broadly on Three Timescales yet Sustain Native Function. <i>Scientific Reports</i> , 2019, 9, 6656.	1.6	19
17	^{15}N , ^{13}C and ^1H resonance assignments of FKBP12 proteins from the pathogenic fungi <i>Mucor circinelloides</i> and <i>Aspergillus fumigatus</i> . <i>Biomolecular NMR Assignments</i> , 2019, 13, 207-212.	0.4	6
18	^{15}N , ^{13}C and ^1H backbone resonance assignments of an artificially engineered TEM-1/PSE-4 class A β -lactamase chimera and its deconvoluted mutant. <i>Biomolecular NMR Assignments</i> , 2016, 10, 93-99.	0.4	6

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19	Maintenance of Native-like Protein Dynamics May Not Be Required for Engineering Functional Proteins. <i>Chemistry and Biology</i> , 2014, 21, 1330-1340.	6.2	29
20	Chimeric β -Lactamases: Global Conservation of Parental Function and Fast Time-Scale Dynamics with Increased Slow Motions. <i>PLoS ONE</i> , 2012, 7, e52283.	1.1	16
21	Backbone resonance assignments of an artificially engineered TEM-1/PSE-4 Class A β -lactamase chimera. <i>Biomolecular NMR Assignments</i> , 2010, 4, 127-130.	0.4	7