

Maolin Lu

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

1,399
citations

516215

16
h-index

580395

25
g-index

37
all docs

37
docs citations

37
times ranked

2062
citing authors

#	ARTICLE	IF	CITATIONS
1	A single dose of the SARS-CoV-2 vaccine BNT162b2 elicits Fc-mediated antibody effector functions and T _H cell responses. <i>Cell Host and Microbe</i> , 2021, 29, 1137-1150.e6.	5.1	173
2	Associating HIV-1 envelope glycoprotein structures with states on the virus observed by smFRET. <i>Nature</i> , 2019, 568, 415-419.	13.7	156
3	Live imaging of SARS-CoV-2 infection in mice reveals that neutralizing antibodies require Fc function for optimal efficacy. <i>Immunity</i> , 2021, 54, 2143-2158.e15.	6.6	155
4	Real-Time Conformational Dynamics of SARS-CoV-2 Spikes on Virus Particles. <i>Cell Host and Microbe</i> , 2020, 28, 880-891.e8.	5.1	153
5	HIV-1 Env trimer opens through an asymmetric intermediate in which individual protomers adopt distinct conformations. <i>ELife</i> , 2018, 7, .	2.8	127
6	Structural basis and mode of action for two broadly neutralizing antibodies against SARS-CoV-2 emerging variants of concern. <i>Cell Reports</i> , 2022, 38, 110210.	2.9	96
7	Manipulating Protein Conformations by Single-Molecule AFM-FRET Nanoscopy. <i>ACS Nano</i> , 2012, 6, 1221-1229.	7.3	68
8	Subnanometer structures of HIV-1 envelope trimers on aldrithiol-2-inactivated virus particles. <i>Nature Structural and Molecular Biology</i> , 2020, 27, 726-734.	3.6	55
9	SARS-CoV-2 Variants Increase Kinetic Stability of Open Spike Conformations as an Evolutionary Strategy. <i>MBio</i> , 2022, 13, e0322721.	1.8	48
10	Disruption of the HIV-1 Envelope allosteric network blocks CD4-induced rearrangements. <i>Nature Communications</i> , 2020, 11, 520.	5.8	42
11	Structural Plasticity and Immune Evasion of SARS-CoV-2 Spike Variants. <i>Viruses</i> , 2022, 14, 1255.	1.5	30
12	Long-Acting BMS-378806 Analogues Stabilize the State-1 Conformation of the Human Immunodeficiency Virus Type 1 Envelope Glycoproteins. <i>Journal of Virology</i> , 2020, 94, .	1.5	27
13	Role of moxibustion in inflammatory responses during treatment of rat ulcerative colitis. <i>World Journal of Gastroenterology</i> , 2014, 20, 11297.	1.4	25
14	Single-molecule photon stamping FRET spectroscopy study of enzymatic conformational dynamics. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 770-775.	1.3	24
15	Shedding-Resistant HIV-1 Envelope Glycoproteins Adopt Downstream Conformations That Remain Responsive to Conformation-Preferring Ligands. <i>Journal of Virology</i> , 2020, 94, .	1.5	21
16	Asymmetric Structures and Conformational Plasticity of the Uncleaved Full-Length Human Immunodeficiency Virus Envelope Glycoprotein Trimer. <i>Journal of Virology</i> , 2021, 95, e0052921.	1.5	20
17	Probing Protein Multidimensional Conformational Fluctuations by Single-Molecule Multiparameter Photon Stamping Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2014, 118, 11943-11955.	1.2	18
18	Single-Molecule FRET Imaging of Virus Spike-Host Interactions. <i>Viruses</i> , 2021, 13, 332.	1.5	18

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19	Magnetic polymer microspheres with azidocarbonyl groups: Synthesis, characterization and application in protein immobilization. <i>Journal of Applied Polymer Science</i> , 2009, 112, 2383-2390.	1.3	16
20	Illuminating the virus life cycle with single-molecule FRET imaging. <i>Advances in Virus Research</i> , 2019, 105, 239-273.	0.9	11
21	Antigenic analysis of the HIV-1 envelope trimer implies small differences between structural states 1 and 2. <i>Journal of Biological Chemistry</i> , 2022, 298, 101819.	1.6	9
22	Revealing Multiple Pathways in T4 Lysozyme Substep Conformational Motions by Single-Molecule Enzymology and Modeling. <i>Journal of Physical Chemistry B</i> , 2017, 121, 5017-5024.	1.2	8
23	Novel functionalized ternary copolymer fluorescent nanoparticles: synthesis, fluorescent characteristics and protein immobilization. <i>Journal of Materials Science: Materials in Medicine</i> , 2009, 20, 563-572.	1.7	7
24	Synthesis and Characterization of Double-layer Quantum-Dots-Tagged Microspheres. <i>IEEE Transactions on Nanobioscience</i> , 2009, 8, 13-19.	2.2	3
25	AFM-Enhanced Single-Molecule Spectroscopy Studies of Intermittent Coherence and Time Bunching Effect of Enzyme Dynamics. <i>Biophysical Journal</i> , 2012, 102, 272a.	0.2	0
26	Conformational Changes in HIV-1 Env Trimer Induced by a Single CD4 as Revealed by Cryo-EM. <i>Microscopy and Microanalysis</i> , 2017, 23, 1190-1191.	0.2	0