

Daniel Lauster

List of Publications by Year in descending order

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28
papers

928
citations

567281

15
h-index

552781

26
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28
times ranked

1418
citing authors

#	ARTICLE	IF	CITATIONS
1	Autophagy restricts <i>Chlamydia trachomatis</i> growth in human macrophages via IFNG-inducible guanylate binding proteins. <i>Autophagy</i> , 2013, 9, 50-62.	9.1	108
2	Phage capsid nanoparticles with defined ligand arrangement block influenza virus entry. <i>Nature Nanotechnology</i> , 2020, 15, 373-379.	31.5	96
3	Multivalent Peptide-Nanoparticle Conjugates for Influenza Virus Inhibition. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 5931-5936.	13.8	86
4	Linear polysialoside outperforms dendritic analogs for inhibition of influenza virus infection in vitro and in vivo. <i>Biomaterials</i> , 2017, 138, 22-34.	11.4	83
5	Spatial Screening of Hemagglutinin on Influenza A Virus Particles: Sialyl-LacNAc Displays on DNA and PEG Scaffolds Reveal the Requirements for Bivalency Enhanced Interactions with Weak Monovalent Binders. <i>Journal of the American Chemical Society</i> , 2017, 139, 16389-16397.	13.7	70
6	Functionalized Graphene as Extracellular Matrix Mimics: Toward Well-Defined 2D Nanomaterials for Multivalent Virus Interactions. <i>Advanced Functional Materials</i> , 2017, 27, 1606477.	14.9	65
7	Mobility-Based Quantification of Multivalent Virus-Receptor Interactions: New Insights Into Influenza A Virus Binding Mode. <i>Nano Letters</i> , 2019, 19, 1875-1882.	9.1	60
8	Polysulfates Block SARS-CoV-2 Uptake through Electrostatic Interactions**. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 15870-15878.	13.8	49
9	Quantification of Multivalent Interactions between Sialic Acid and Influenza A Virus Spike Proteins by Single-Molecule Force Spectroscopy. <i>Journal of the American Chemical Society</i> , 2020, 142, 12181-12192.	13.7	43
10	Adaptive Flexible Sialylated Nanogels as Highly Potent Influenza A Virus Inhibitors. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 12417-12422.	13.8	36
11	The kinetochore module Okp1 ^{CENP-Q} /Ame1 ^{CENP-U} is a reader for N-terminal modifications on the centromeric histone Cse4 ^{CENP-A} . <i>EMBO Journal</i> , 2019, 38, .	7.8	34
12	Force Spectroscopy Shows Dynamic Binding of Influenza Hemagglutinin and Neuraminidase to Sialic Acid. <i>Biophysical Journal</i> , 2019, 116, 1037-1048.	0.5	33
13	Interactions of Fullerene-Polyglycerol Sulfates at Viral and Cellular Interfaces. <i>Small</i> , 2018, 14, e1800189.	10.0	30
14	Anti-Hemagglutinin Antibody Derived Lead Peptides for Inhibitors of Influenza Virus Binding. <i>PLoS ONE</i> , 2016, 11, e0159074.	2.5	25
15	Inhibition of SARS-CoV-2 Replication by a Small Interfering RNA Targeting the Leader Sequence. <i>Viruses</i> , 2021, 13, 2030.	3.3	23
16	Wrapping and Blocking of Influenza A Viruses by Sialylated 2D Nanoplatfoms. <i>Advanced Materials Interfaces</i> , 2021, 8, 2100285.	3.7	17
17	Sialyl-LacNAc-PNA TM DNA concatamers by rolling circle amplification as multivalent inhibitors for Influenza A virus particles. <i>ChemBioChem</i> , 2018, 20, 159-165.	2.6	15
18	Exploring Rigid and Flexible Core Trivalent Sialosides for Influenza Virus Inhibition. <i>Chemistry - A European Journal</i> , 2018, 24, 19373-19385.	3.3	14

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19	Evaluation of Multivalent Sialylated Polyglycerols for Resistance Induction in and Broad Antiviral Activity against Influenza A Viruses. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 12774-12789.	6.4	11
20	Multivalente Peptid-Nanopartikel-Konjugate zur Hemmung des Influenzavirus. <i>Angewandte Chemie</i> , 2017, 129, 6025-6030.	2.0	8
21	Potential of acylated peptides to target the influenza A virus. <i>Beilstein Journal of Organic Chemistry</i> , 2015, 11, 589-595.	2.2	6
22	Synthetic Helical Peptides as Potential Inhibitors of the ACE2 SARS-CoV-2 Interaction. <i>ChemBioChem</i> , 2022, 23, .	2.6	6
23	Adaptive Flexible Sialylated Nanogels as Highly Potent Influenza A Virus Inhibitors. <i>Angewandte Chemie</i> , 2020, 132, 12517-12522.	2.0	5
24	Potential of Proapoptotic Peptides to Induce the Formation of Giant Plasma Membrane Vesicles with Lipid Domains. <i>ChemBioChem</i> , 2015, 16, 1288-1292.	2.6	2
25	Atomistic insight into the essential binding event of ACE2-derived peptides to the SARS-CoV-2 spike protein. <i>Biological Chemistry</i> , 2022, 403, 615-624.	2.5	2
26	Design and Functional Analysis of Heterobifunctional Multivalent Phage Capsid Inhibitors Blocking the Entry of Influenza Virus. <i>Bioconjugate Chemistry</i> , 2022, 33, 1269-1278.	3.6	1
27	Hooking on Viral Glycoproteins with Single Molecule Force Spectroscopy to Study Single and Multiple Bond Formations. <i>Biophysical Journal</i> , 2019, 116, 428a.	0.5	0
28	Polysulfate hemmen durch elektrostatische Wechselwirkungen die SARS-CoV-2-Infektion**. <i>Angewandte Chemie</i> , 2021, 133, 16005-16014.	2.0	0