Daniel Lauster

List of Publications by Year
in descending order

28 papers	928 citations	567281 15 h-index	552781 26 g-index
28 all docs	28 docs citations	28 times ranked	1418 citing authors

#	Article	IF	Citations
1	Atomistic insight into the essential binding event of ACE2-derived peptides to the SARS-CoV-2 spike protein. Biological Chemistry, 2022, 403, 615-624.	2.5	2
2	Design and Functional Analysis of Heterobifunctional Multivalent Phage Capsid Inhibitors Blocking the Entry of Influenza Virus. Bioconjugate Chemistry, 2022, 33, 1269-1278.	3.6	1
3	Synthetic Î±â€Helical Peptides as Potential Inhibitors of the ACE2 SARSâ€CoVâ€2 Interaction. ChemBioChem, 2022, 23, .	2.6	6
4	Wrapping and Blocking of Influenza A Viruses by Sialylated 2D Nanoplatforms. Advanced Materials Interfaces, 2021, 8, 2100285.	3.7	17
5	Polysulfate hemmen durch elektrostatische Wechselwirkungen die SARSâ€CoVâ€2â€Infektion**. Angewandte Chemie, 2021, 133, 16005-16014.	2.0	0
6	Polysulfates Block SARSâ€CoVâ€2 Uptake through Electrostatic Interactions**. Angewandte Chemie - International Edition, 2021, 60, 15870-15878.	13.8	49
7	Evaluation of Multivalent Sialylated Polyglycerols for Resistance Induction in and Broad Antiviral Activity against Influenza A Viruses. Journal of Medicinal Chemistry, 2021, 64, 12774-12789.	6.4	11
8	Inhibition of SARS-CoV-2 Replication by a Small Interfering RNA Targeting the Leader Sequence. Viruses, 2021, 13, 2030.	3.3	23
9	Quantification of Multivalent Interactions between Sialic Acid and Influenza A Virus Spike Proteins by Single-Molecule Force Spectroscopy. Journal of the American Chemical Society, 2020, 142, 12181-12192.	13.7	43
10	Adaptive Flexible Sialylated Nanogels as Highly Potent Influenza A Virus Inhibitors. Angewandte Chemie, 2020, 132, 12517-12522.	2.0	5
11	Phage capsid nanoparticles with defined ligand arrangement block influenza virus entry. Nature Nanotechnology, 2020, 15, 373-379.	31.5	96
12	Adaptive Flexible Sialylated Nanogels as Highly Potent Influenza A Virus Inhibitors. Angewandte Chemie - International Edition, 2020, 59, 12417-12422.	13.8	36
13	Mobility-Based Quantification of Multivalent Virus-Receptor Interactions: New Insights Into Influenza A Virus Binding Mode. Nano Letters, 2019, 19, 1875-1882.	9.1	60
14	Force Spectroscopy Shows Dynamic Binding of Influenza Hemagglutinin and Neuraminidase to Sialic Acid. Biophysical Journal, 2019, 116, 1037-1048.	0.5	33
15	Hooking on Viral Glycoproteins with Single Molecule Force Spectroscopy to Study Single and Multiple Bond Formations. Biophysical Journal, 2019, 116, 428a.	0.5	0
16	The kinetochore module Okp1 ^{CENPâ€Q} /Ame1 ^{CENPâ€U} is a reader for Nâ€terminal modifications on the centromeric histone Cse4 ^{CENPâ€A}. EMBO Journal, 2019, 38, .	7.8	34
17	Interactions of Fullereneâ€Polyglycerol Sulfates at Viral and Cellular Interfaces. Small, 2018, 14, e1800189.	10.0	30
18	Sialylâ€LacNAcâ€PNAâ˜DNA concatamers by rolling circle amplification as multivalent inhibitors for Influenza A virus particles. ChemBioChem, 2018, 20, 159-165.	2.6	15

#	Article	IF	Citations
19	Exploring Rigid and Flexible Core Trivalent Sialosides for Influenza Virus Inhibition. Chemistry - A European Journal, 2018, 24, 19373-19385.	3.3	14
20	Functionalized Graphene as Extracellular Matrix Mimics: Toward Wellâ€Defined 2D Nanomaterials for Multivalent Virus Interactions. Advanced Functional Materials, 2017, 27, 1606477.	14.9	65
21	Multivalent Peptideâ€“Nanoparticle Conjugates for Influenzaâ€Virus Inhibition. Angewandte Chemie - International Edition, 2017, 56, 5931-5936.	13.8	86
22	Linear polysialoside outperforms dendritic analogs for inhibition of influenza virus infection inÂvitro and inÂvivo. Biomaterials, 2017, 138, 22-34.	11.4	83
23	Multivalente Peptidâ€Nanopartikelâ€Konjugate zur Hemmung des Influenzavirus. Angewandte Chemie, 2017, 129, 6025-6030.	2.0	8
24	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. Journal of the American Chemical Society, 2017, 139, 16389-16397.	13.7	70
25	Anti-Hemagglutinin Antibody Derived Lead Peptides for Inhibitors of Influenza Virus Binding. PLoS ONE, 2016, 11, e0159074.	2.5	25
26	Potential of acylated peptides to target the influenza A virus. Beilstein Journal of Organic Chemistry, 2015, 11, 589-595.	2.2	6
27	Potential of Proapoptotic Peptides to Induce the Formation of Giant Plasma Membrane Vesicles with Lipid Domains. ChemBioChem, 2015, 16, 1288-1292.	2.6	2
28	Autophagy restrictsChlamydia trachomatisgrowth in human macrophages via IFNG-inducible guanylate binding proteins. Autophagy, 2013, 9, 50-62.	9.1	108