

Susanne Liese

List of Publications by Year in descending order

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24
papers

712
citations

687335

13
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642715

23
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27
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27
docs citations

27
times ranked

1159
citing authors

#	ARTICLE	IF	CITATIONS
1	Dielectric constant of aqueous solutions of proteins and organic polymers from molecular dynamics simulations. <i>Journal of Chemical Physics</i> , 2022, 156, .	3.0	1
2	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
3	Diffusion on Membrane Domes, Tubes, and Pearling Structures. <i>Biophysical Journal</i> , 2021, 120, 424-431.	0.5	9
4	Membrane shape remodeling by protein crowding. <i>Biophysical Journal</i> , 2021, 120, 2482-2489.	0.5	12
5	Protocells: Rapid Growth and Fusion of Protocells in Surface-Adhered Membrane Networks (Small) Tj ETQq1 1 0.784314 rgBT /Overlo e2002529.	10.0	10
6	Rapid Growth and Fusion of Protocells in Surface-Adhered Membrane Networks. <i>Small</i> , 2020, 16, e2002529.	10.0	11
7	Protein crowding mediates membrane remodeling in upstream ESCRT-induced formation of intraluminal vesicles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 28614-28624.	7.1	21
8	Diffuso-kinetic membrane budding dynamics. <i>Soft Matter</i> , 2020, 16, 10889-10899.	2.7	6
9	Force Response of Polypeptide Chains from Water-Explicit MD Simulations. <i>Macromolecules</i> , 2020, 53, 4618-4629.	4.8	3
10	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
11	Phage capsid nanoparticles with defined ligand arrangement block influenza virus entry. <i>Nature Nanotechnology</i> , 2020, 15, 373-379.	31.5	96
12	Nanotube-Mediated Path to Protocell Formation. <i>ACS Nano</i> , 2019, 13, 6867-6878.	14.6	26
13	Untersuchungen zu Grenzen der Bivalenz mit DNA-basierter räumlicher Rasterung. <i>Angewandte Chemie</i> , 2019, 131, 918-923.	2.0	9
14	Exploring the Limits of Bivalency by DNA-Based Spatial Screening. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 907-911.	13.8	26
15	Quantitative Prediction of Multivalent Ligand-Receptor Binding Affinities for Influenza, Cholera, and Anthrax Inhibition. <i>ACS Nano</i> , 2018, 12, 4140-4147.	14.6	36
16	Exploring Rigid and Flexible Core Trivalent Sialosides for Influenza Virus Inhibition. <i>Chemistry - A European Journal</i> , 2018, 24, 19373-19385.	3.3	14
17	Generalized line tension of water nanodroplets. <i>Physical Review E</i> , 2018, 98, .	2.1	29
18	Hydration Effects Turn a Highly Stretched Polymer from an Entropic into an Energetic Spring. <i>ACS Nano</i> , 2017, 11, 702-712.	14.6	68

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19	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
20	Influence of length and flexibility of spacers on the binding affinity of divalent ligands. <i>Beilstein Journal of Organic Chemistry</i> , 2015, 11, 804-816.	2.2	47
21	Size Dependence of Steric Shielding and Multivalency Effects for Globular Binding Inhibitors. <i>Journal of the American Chemical Society</i> , 2015, 137, 2572-2579.	13.7	60
22	Peptide Desorption Kinetics from Single Molecule Force Spectroscopy Studies. <i>Journal of the American Chemical Society</i> , 2014, 136, 688-697.	13.7	35
23	On the Relationship between Peptide Adsorption Resistance and Surface Contact Angle: A Combined Experimental and Simulation Single-Molecule Study. <i>Journal of the American Chemical Society</i> , 2012, 134, 19628-19638.	13.7	72
24	The Effect of Temperature on Singleâ€Polypeptide Adsorption. <i>ChemPhysChem</i> , 2012, 13, 982-989.	2.1	12