

# Lutz Maibaum

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4079353/publications.pdf>

Version: 2024-02-01

20  
papers

621  
citations

1163117

8  
h-index

752698

20  
g-index

21  
all docs

21  
docs citations

21  
times ranked

899  
citing authors

#	ARTICLE	IF	CITATIONS
1	MSMBuilder2: Modeling Conformational Dynamics on the Picosecond to Millisecond Scale. <i>Journal of Chemical Theory and Computation</i> , 2011, 7, 3412-3419.	5.3	381
2	Macroscopic Phase Separation, Modulated Phases, and Microemulsions: A Unified Picture of Rafts. <i>Biophysical Journal</i> , 2014, 106, 1979-1985.	0.5	50
3	Free Energy Calculations of Membrane Permeation: Challenges Due to Strong Headgroup-Solute Interactions. <i>Journal of Chemical Theory and Computation</i> , 2018, 14, 1762-1771.	5.3	40
4	Spatially Resolving the Condensing Effect of Cholesterol in Lipid Bilayers. <i>Biophysical Journal</i> , 2018, 115, 2179-2188.	0.5	38
5	DNA Base Pair Mismatches Induce Structural Changes and Alter the Free-Energy Landscape of Base Flip. <i>Journal of Physical Chemistry B</i> , 2018, 122, 12251-12259.	2.6	19
6	Identifying the Onset of Phase Separation in Quaternary Lipid Bilayer Systems from Coarse-Grained Simulations. <i>Journal of Physical Chemistry B</i> , 2018, 122, 3961-3973.	2.6	18
7	Local Density Fluctuations Predict Photoisomerization Quantum Yield of Azobenzene-Modified DNA. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 3027-3031.	4.6	9
8	Phase diagrams of multicomponent lipid vesicles: Effects of finite size and spherical geometry. <i>Journal of Chemical Physics</i> , 2018, 149, 174901.	3.0	9
9	Mechanisms of DNA hybridization: Transition path analysis of a simulation-informed Markov model. <i>Journal of Chemical Physics</i> , 2019, 150, 105103.	3.0	9
10	Seeing the Forest in Lieu of the Trees. <i>Annual Reports in Computational Chemistry</i> , 2014, 10, 47-76.	1.7	7
11	Suppressing membrane height fluctuations leads to a membrane-mediated interaction among proteins. <i>Physical Review E</i> , 2016, 94, 052414.	2.1	7
12	Connecting wettability, topography, and chemistry in a simple lipid-montmorillonite system. <i>Journal of Colloid and Interface Science</i> , 2019, 555, 498-508.	9.4	7
13	Rapid Formation of Peptide/Lipid Coaggregates by the Amyloidogenic Seminal Peptide PAP248-286. <i>Biophysical Journal</i> , 2020, 119, 924-938.	0.5	6
14	Relating the structure factors of two-dimensional materials in planar and spherical geometries. <i>Soft Matter</i> , 2018, 14, 5686-5692.	2.7	4
15	Laterally Resolved Small-Angle Scattering Intensity from Lipid Bilayer Simulations: An Exact and a Limited-Range Treatment. <i>Journal of Chemical Theory and Computation</i> , 2020, 16, 5287-5300.	5.3	4
16	Simple differences in the protein-membrane attachment mechanism have functional consequences for surface mechanics. <i>Journal of Chemical Physics</i> , 2019, 151, 164116.	3.0	3
17	Effect of alcohol on the phase separation in model membranes. <i>Chemistry and Physics of Lipids</i> , 2020, 233, 104986.	3.2	3
18	Negatively Charged Lipids Exhibit Negligible Effects on the Water Repellency of Montmorillonite Films. <i>ACS Omega</i> , 2020, 5, 12154-12161.	3.5	2

#	ARTICLE	IF	CITATIONS
19	Effects of Salts on the Solvation of Hydrophobic Objects in Water. Journal of Physical Chemistry B, 2021, 125, 11036-11043.	2.6	2
20	Modulated and spiral surface patterns on deformable lipid vesicles. Journal of Chemical Physics, 2020, 153, 144901.	3.0	1