Kolattukudy P Santo

List of Publications by Year
in descending order

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15	358	1040056	996975
papers	citations	9	15
		h-index	g-index

15	15	15	376
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Difference between Magainin-2 and Melittin Assemblies in Phosphatidylcholine Bilayers: Results from Coarse-Grained Simulations. Journal of Physical Chemistry B, 2012, 116, 3021-3030.	2.6	81
2	Melittin Creates Transient Pores in a Lipid Bilayer: Results from Computer Simulations. Journal of Physical Chemistry B, 2013, 117, 5031-5042.	2.6	58
3	Dissipative particle dynamics simulations in colloid and Interface science: a review. Advances in Colloid and Interface Science, 2021, 298, 102545.	14.7	51
4	Shock wave interaction with a phospholipid membrane: Coarse-grained computer simulations. Journal of Chemical Physics, 2014, 140, 054906.	3.0	40
5	Shock Wave Induced Collapse of Arrays of Nanobubbles Located Next to a Lipid Membrane: Coarse-Grained Computer Simulations. Journal of Physical Chemistry B, 2015, 119, 8879-8889.	2.6	28
6	Modeling Gasâ€“Liquid Interfaces by Dissipative Particle Dynamics: Adsorption and Surface Tension of Cetyl Trimethyl Ammonium Bromide at the Airâ€“Water Interface. Langmuir, 2020, 36, 14686-14698.	3.5	28
7	Elucidating the Effects of Metal Complexation on Morphological and Rheological Properties of Polymer Solutions by a Dissipative Particle Dynamics Model. Macromolecules, 2018, 51, 4987-5000.	4.8	21
8	Local Pressure Changes in Lipid Bilayers Due to Adsorption of Melittin and Magainin-h2 Antimicrobial Peptides: Results from Computer Simulations. Journal of Physical Chemistry B, 2014, 118, 12673-12679.	2.6	11
9	Effects of metal-polymer complexation on structure and transport properties of metal-substituted polyelectrolyte membranes. Journal of Colloid and Interface Science, 2021, 602, 654-668.	9.4	11
10	Adhesion and Separation of Nanoparticles on Polymer-Grafted Porous Substrates. Langmuir, 2018, 34, 1481-1496.	3.5	10
11	Modeling of the Effects of Metal Complexation on the Morphology and Rheology of Xanthan Gum Polysaccharide Solutions. Macromolecules, 2021, 54, 8675-8692.	4.8	6
12	Critical Conditions of Adhesion and Separation of Functionalized Nanoparticles on Polymer Grafted Substrates. Journal of Physical Chemistry C, 2019, 123, 16091-16106.	3.1	5
13	Reversible aggregation of particles with short oligomeric sidechains at the surface studied with Langevin dynamics. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 586, 124143.	4.7	4
14	Nanoparticle Flow in Polymer Grafted Channels. Journal of Physical Chemistry C, 2020, 124, 1478-1483.	3.1	2
15	The effects of multiparticle interactions on the aggregation of asphaltenes. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 636, 128026.	4.7	2