

Kolattukudy P Santo

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/12038521/publications.pdf>

Version: 2024-02-01

15
papers

358
citations

1039880

9
h-index

996849

15
g-index

15
all docs

15
docs citations

15
times ranked

376
citing authors

#	ARTICLE	IF	CITATIONS
1	Difference between Magainin-2 and Melittin Assemblies in Phosphatidylcholine Bilayers: Results from Coarse-Grained Simulations. <i>Journal of Physical Chemistry B</i> , 2012, 116, 3021-3030.	1.2	81
2	Melittin Creates Transient Pores in a Lipid Bilayer: Results from Computer Simulations. <i>Journal of Physical Chemistry B</i> , 2013, 117, 5031-5042.	1.2	58
3	Dissipative particle dynamics simulations in colloid and Interface science: a review. <i>Advances in Colloid and Interface Science</i> , 2021, 298, 102545.	7.0	51
4	Shock wave interaction with a phospholipid membrane: Coarse-grained computer simulations. <i>Journal of Chemical Physics</i> , 2014, 140, 054906.	1.2	40
5	Shock Wave Induced Collapse of Arrays of Nanobubbles Located Next to a Lipid Membrane: Coarse-Grained Computer Simulations. <i>Journal of Physical Chemistry B</i> , 2015, 119, 8879-8889.	1.2	28
6	Modeling Gas-Liquid Interfaces by Dissipative Particle Dynamics: Adsorption and Surface Tension of Cetyl Trimethyl Ammonium Bromide at the Air-Water Interface. <i>Langmuir</i> , 2020, 36, 14686-14698.	1.6	28
7	Elucidating the Effects of Metal Complexation on Morphological and Rheological Properties of Polymer Solutions by a Dissipative Particle Dynamics Model. <i>Macromolecules</i> , 2018, 51, 4987-5000.	2.2	21
8	Local Pressure Changes in Lipid Bilayers Due to Adsorption of Melittin and Magainin-h2 Antimicrobial Peptides: Results from Computer Simulations. <i>Journal of Physical Chemistry B</i> , 2014, 118, 12673-12679.	1.2	11
9	Effects of metal-polymer complexation on structure and transport properties of metal-substituted polyelectrolyte membranes. <i>Journal of Colloid and Interface Science</i> , 2021, 602, 654-668.	5.0	11
10	Adhesion and Separation of Nanoparticles on Polymer-Grafted Porous Substrates. <i>Langmuir</i> , 2018, 34, 1481-1496.	1.6	10
11	Modeling of the Effects of Metal Complexation on the Morphology and Rheology of Xanthan Gum Polysaccharide Solutions. <i>Macromolecules</i> , 2021, 54, 8675-8692.	2.2	6
12	Critical Conditions of Adhesion and Separation of Functionalized Nanoparticles on Polymer Grafted Substrates. <i>Journal of Physical Chemistry C</i> , 2019, 123, 16091-16106.	1.5	5
13	Reversible aggregation of particles with short oligomeric sidechains at the surface studied with Langevin dynamics. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 586, 124143.	2.3	4
14	Nanoparticle Flow in Polymer Grafted Channels. <i>Journal of Physical Chemistry C</i> , 2020, 124, 1478-1483.	1.5	2
15	The effects of multiparticle interactions on the aggregation of asphaltenes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 636, 128026.	2.3	2