Kolattukudy P Santo

List of Publications by Year
in descending order

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	The effects of multiparticle interactions on the aggregation of asphaltenes. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 636, 128026.	2.3	2
2	Modeling of the Effects of Metal Complexation on the Morphology and Rheology of Xanthan Gum Polysaccharide Solutions. Macromolecules, 2021, 54, 8675-8692.	2.2	6
3	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.	5.0	11
4	Dissipative particle dynamics simulations in colloid and Interface science: a review. Advances in Colloid and Interface Science, 2021, 298, 102545.	7.0	51
5	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.	2.3	4
6	Nanoparticle Flow in Polymer Grafted Channels. Journal of Physical Chemistry C, 2020, 124, 1478-1483.	1.5	2
7	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.	1.6	28
8	Critical Conditions of Adhesion and Separation of Functionalized Nanoparticles on Polymer Grafted Substrates. Journal of Physical Chemistry C, 2019, 123, 16091-16106.	1.5	5
9	Adhesion and Separation of Nanoparticles on Polymer-Grafted Porous Substrates. Langmuir, 2018, 34, 1481-1496.	1.6	10
10	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.	2.2	21
11	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.	1.2	28
12	Shock wave interaction with a phospholipid membrane: Coarse-grained computer simulations. Journal of Chemical Physics, 2014, 140, 054906.	1.2	40
13	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.	1.2	11
14	Melittin Creates Transient Pores in a Lipid Bilayer: Results from Computer Simulations. Journal of Physical Chemistry B, 2013, 117, 5031-5042.	1.2	58
15	Difference between Magainin-2 and Melittin Assemblies in Phosphatidylcholine Bilayers: Results from Coarse-Grained Simulations. Journal of Physical Chemistry B, 2012, 116, 3021-3030.	1.2	81