

# Kolattukudy P Santo

## List of Publications by Year in descending order

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15  
papers

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citations

1040056

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h-index

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g-index

15  
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15  
docs citations

15  
times ranked

376  
citing authors

#	ARTICLE	IF	CITATIONS
1	The effects of multiparticle interactions on the aggregation of asphaltenes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 636, 128026.	4.7	2
2	Modeling of the Effects of Metal Complexation on the Morphology and Rheology of Xanthan Gum Polysaccharide Solutions. <i>Macromolecules</i> , 2021, 54, 8675-8692.	4.8	6
3	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.	9.4	11
4	Dissipative particle dynamics simulations in colloid and Interface science: a review. <i>Advances in Colloid and Interface Science</i> , 2021, 298, 102545.	14.7	51
5	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.	4.7	4
6	Nanoparticle Flow in Polymer Grafted Channels. <i>Journal of Physical Chemistry C</i> , 2020, 124, 1478-1483.	3.1	2
7	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.	3.5	28
8	Critical Conditions of Adhesion and Separation of Functionalized Nanoparticles on Polymer Grafted Substrates. <i>Journal of Physical Chemistry C</i> , 2019, 123, 16091-16106.	3.1	5
9	Adhesion and Separation of Nanoparticles on Polymer-Grafted Porous Substrates. <i>Langmuir</i> , 2018, 34, 1481-1496.	3.5	10
10	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.	4.8	21
11	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.	2.6	28
12	Shock wave interaction with a phospholipid membrane: Coarse-grained computer simulations. <i>Journal of Chemical Physics</i> , 2014, 140, 054906.	3.0	40
13	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.	2.6	11
14	Melittin Creates Transient Pores in a Lipid Bilayer: Results from Computer Simulations. <i>Journal of Physical Chemistry B</i> , 2013, 117, 5031-5042.	2.6	58
15	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.	2.6	81