

Ran Zhang

List of Publications by Year in descending order

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papers

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840776

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#	ARTICLE	IF	CITATIONS
1	Polymorphism of Kdo-Based Glycolipids: The Elaborately Determined Stable and Dynamic Bicelles. <i>CCS Chemistry</i> , 2022, 4, 2228-2238.	7.8	9
2	Molecular dynamic simulation: Study on the recognition mechanism of linear β -D-glucan by Dectin-1. <i>Carbohydrate Polymers</i> , 2022, 286, 119276.	10.2	5
3	A Comprehensive Landscape for Fibril Association Behaviors Encoded Synergistically by Saccharides and Peptides. <i>Journal of the American Chemical Society</i> , 2021, 143, 6622-6633.	13.7	19
4	Molecular dynamic simulation: Structural insights of multi-stranded curdlan in aqueous solution. <i>Carbohydrate Polymers</i> , 2021, 261, 117844.	10.2	9
5	Molecular dynamic simulation: Conformational properties of single-stranded curdlan in aqueous solution. <i>Carbohydrate Polymers</i> , 2020, 250, 116906.	10.2	8
6	Dynamics Transition of Polymer Films Induced by Polymer-Obstacle Entanglements on Rough Surfaces. <i>Macromolecules</i> , 2020, 53, 3873-3882.	4.8	7
7	Preparation and Properties of High-performance Polyimide Copolymer Fibers Derived from 5-Amino-2-(2-hydroxy-5-aminobenzene)-benzoxazole. <i>Chinese Journal of Polymer Science (English)</i> 11 0.784314 rgBT/Overlook	13.1	7
8	Aggregation of amyloid peptides into fibrils driven by nanoparticles and their curvature effect. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 1784-1790.	2.8	9
9	Unusual self-diffusion behaviors of polymer adsorbed on rough surfaces. <i>Journal of Chemical Physics</i> , 2019, 150, 064902.	3.0	9
10	Inconsistency of Diffusion and Relaxation of Ring Polymers Adsorbed on Rough Surfaces. <i>Journal of Physical Chemistry B</i> , 2019, 123, 9712-9718.	2.6	5
11	Effects of surface roughness on the self-diffusion dynamics of a single polymer. <i>Soft Matter</i> , 2018, 14, 3550-3556.	2.7	16
12	Molecular Dynamics Simulation of Salt Diffusion in Polyelectrolyte Assemblies. <i>Journal of Physical Chemistry B</i> , 2018, 122, 6656-6665.	2.6	11
13	Effects of Concentration and Ionization Degree of Anchoring Cationic Polymers on the Lateral Heterogeneity of Anionic Lipid Monolayers. <i>Journal of Physical Chemistry B</i> , 2017, 121, 984-994.	2.6	7
14	Role of Salt and Water in the Plasticization of PDAC/PSS Polyelectrolyte Assemblies. <i>Journal of Physical Chemistry B</i> , 2017, 121, 322-333.	2.6	72
15	Adsorption of a hydrophobic cationic polypeptide onto acidic lipid membrane. <i>Polymer</i> , 2017, 122, 125-138.	3.8	7
16	Spatial Rearrangement and Mobility Heterogeneity of an Anionic Lipid Monolayer Induced by the Anchoring of Cationic Semiflexible Polymer Chains. <i>Polymers</i> , 2016, 8, 235.	4.5	3
17	Monte Carlo study on a complex of cationic polymers and anionic lipid monolayer. <i>Polymer</i> , 2016, 104, 138-148.	3.8	3
18	Study of Hydrophobic Clustering in Partially Sulfonated Polystyrene Solutions with a Systematic Coarse-Grained Model. <i>Macromolecules</i> , 2016, 49, 7571-7580.	4.8	5

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19	Effects of Chain Rigidity on the Adsorption of a Polyelectrolyte Chain on Mixed Lipid Monolayer: A Monte Carlo Study. <i>Journal of Physical Chemistry B</i> , 2015, 119, 6041-6049.	2.6	15
20	Compositional redistribution and dynamic heterogeneity in mixed lipid membrane induced by polyelectrolyte adsorption: Effects of chain rigidity. <i>European Physical Journal E</i> , 2014, 37, 27.	1.6	6
21	Effect of polyelectrolyte adsorption on lateral distribution and dynamics of anionic lipids: a Monte Carlo study of a coarse-grain model. <i>European Biophysics Journal</i> , 2014, 43, 377-391.	2.2	8
22	Topological effects on capsomerâ€“polyion co-assembly. <i>Journal of Chemical Physics</i> , 2014, 140, 244903.	3.0	14
23	Monte Carlo Study of Polyelectrolyte Adsorption on Mixed Lipid Membrane. <i>Journal of Physical Chemistry B</i> , 2013, 117, 989-1002.	2.6	26
24	Icosahedral capsid formation by capsomer subunits and a semiflexible polyion. <i>RSC Advances</i> , 2013, 3, 25258.	3.6	15
25	Icosahedral capsid formation by capsomers and short polyions. <i>Journal of Chemical Physics</i> , 2013, 138, 154901.	3.0	21
26	Regulation of anionic lipids in binary membrane upon the adsorption of polyelectrolyte: A Monte Carlo simulation. <i>AIP Advances</i> , 2013, 3, .	1.3	17
27	Physical Gelation of Polypeptideâ€“Polyelectrolyteâ€“Polypeptide (ABA) Copolymer in Solution. <i>Macromolecules</i> , 2012, 45, 6201-6209.	4.8	10
28	Salt Effects on Solâ€“Gel Transition of Telechelic Polyelectrolytes in Aqueous Solutions. <i>Macromolecules</i> , 2012, 45, 555-562.	4.8	7
29	Effect of the concentration on solâ€“gel transition of telechelic polyelectrolytes. <i>Journal of Chemical Physics</i> , 2011, 134, 034903.	3.0	14
30	Conformational Study on Solâ€“Gel Transition in Telechelic Polyelectrolytes Solutions. <i>Journal of Physical Chemistry B</i> , 2010, 114, 3449-3456.	2.6	25