Ran Zhang

List of Publications by Year
in descending order

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30	389	840776 11	839539 18
papers	citations	h-index	g-index

30	30	30	396
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Role of Salt and Water in the Plasticization of PDAC/PSS Polyelectrolyte Assemblies. Journal of Physical Chemistry B, 2017, 121, 322-333.	2.6	72
2	Monte Carlo Study of Polyelectrolyte Adsorption on Mixed Lipid Membrane. Journal of Physical Chemistry B, 2013, 117, 989-1002.	2.6	26
3	Conformational Study on Solâ"Gel Transition in Telechelic Polyelectrolytes Solutions. Journal of Physical Chemistry B, 2010, 114, 3449-3456.	2.6	25
4	Icosahedral capsid formation by capsomers and short polyions. Journal of Chemical Physics, 2013, 138, 154901.	3.0	21
5	A Comprehensive Landscape for Fibril Association Behaviors Encoded Synergistically by Saccharides and Peptides. Journal of the American Chemical Society, 2021, 143, 6622-6633.	13.7	19
6	Regulation of anionic lipids in binary membrane upon the adsorption of polyelectrolyte: A Monte Carlo simulation. AIP Advances, 2013, 3, .	1.3	17
7	Effects of surface roughness on the self-diffusion dynamics of a single polymer. Soft Matter, 2018, 14, 3550-3556.	2.7	16
8	Icosahedral capsid formation by capsomer subunits and a semiflexible polyion. RSC Advances, 2013, 3, 25258.	3.6	15
9	Effects of Chain Rigidity on the Adsorption of a Polyelectrolyte Chain on Mixed Lipid Monolayer: A Monte Carlo Study. Journal of Physical Chemistry B, 2015, 119, 6041-6049.	2.6	15
10	Effect of the concentration on solâ€"gel transition of telechelic polyelectrolytes. Journal of Chemical Physics, 2011, 134, 034903.	3.0	14
11	Topological effects on capsomerâ€"polyion co-assembly. Journal of Chemical Physics, 2014, 140, 244903.	3.0	14
12	Molecular Dynamics Simulation of Salt Diffusion in Polyelectrolyte Assemblies. Journal of Physical Chemistry B, 2018, 122, 6656-6665.	2.6	11
13	Physical Gelation of Polypeptideâ€"Polyelectrolyteâ€"Polypeptide (ABA) Copolymer in Solution. Macromolecules, 2012, 45, 6201-6209.	4.8	10
14	Aggregation of amyloid peptides into fibrils driven by nanoparticles and their curvature effect. Physical Chemistry Chemical Physics, 2019, 21, 1784-1790.	2.8	9
15	Unusual self-diffusion behaviors of polymer adsorbed on rough surfaces. Journal of Chemical Physics, 2019, 150, 064902.	3.0	9
16	Molecular dynamic simulation: Structural insights of multi-stranded curdlan in aqueous solution. Carbohydrate Polymers, 2021, 261, 117844.	10.2	9
17	Polymorphism of Kdo-Based Glycolipids: The Elaborately Determined Stable and Dynamic Bicelles. CCS Chemistry, 2022, 4, 2228-2238.	7.8	9
18	Effect of polyelectrolyte adsorption on lateral distribution and dynamics of anionic lipids: a Monte Carlo study of a coarse-grain model. European Biophysics Journal, 2014, 43, 377-391.	2.2	8

#	Article	IF	Citations
19	Molecular dynamic simulation: Conformational properties of single-stranded curdlan in aqueous solution. Carbohydrate Polymers, 2020, 250, 116906.	10.2	8
20	Salt Effects on Solâ€“Gel Transition of Telechelic Polyelectrolytes in Aqueous Solutions. Macromolecules, 2012, 45, 555-562.	4.8	7
21	Effects of Concentration and Ionization Degree of Anchoring Cationic Polymers on the Lateral Heterogeneity of Anionic Lipid Monolayers. Journal of Physical Chemistry B, 2017, 121, 984-994.	2.6	7
22	Adsorption of a hydrophobic cationic polypeptide onto acidic lipid membrane. Polymer, 2017, 122, 125-138.	3.8	7
23	Preparation and Properties of High-performance Polyimide Copolymer Fibers Derived from 5-Amino-2-(2-hydroxy-5-aminobenzene)-benzoxazole. Chinese Journal of Polymer Science (English) Tj ETQq1 1 0.784314 rgBT /Overlo	4.3	7
24	Dynamics Transition of Polymer Films Induced by Polymerâ€“Obstacle Entanglements on Rough Surfaces. Macromolecules, 2020, 53, 3873-3882.	4.8	7
25	Compositional redistribution and dynamic heterogeneity in mixed lipid membrane induced by polyelectrolyte adsorption: Effects of chain rigidity. European Physical Journal E, 2014, 37, 27.	1.6	6
26	Study of Hydrophobic Clustering in Partially Sulfonated Polystyrene Solutions with a Systematic Coarse-Grained Model. Macromolecules, 2016, 49, 7571-7580.	4.8	5
27	Inconsistency of Diffusion and Relaxation of Ring Polymers Adsorbed on Rough Surfaces. Journal of Physical Chemistry B, 2019, 123, 9712-9718.	2.6	5
28	Molecular dynamic simulation: Study on the recognition mechanism of linear Î²-(1Ââ†'Â3)-D-glucan by Dectin-1. Carbohydrate Polymers, 2022, 286, 119276.	10.2	5
29	Spatial Rearrangement and Mobility Heterogeneity of an Anionic Lipid Monolayer Induced by the Anchoring of Cationic Semiflexible Polymer Chains. Polymers, 2016, 8, 235.	4.5	3
30	Monte Carlo study on a complex of cationic polymers and anionic lipid monolayer. Polymer, 2016, 104, 138-148.	3.8	3