Mingming Ding

List of Publications by Year
in descending order

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40 papers	364 citations	840776 11 h-index	996975 15 g-index
40 all docs	40 docs citations	40 times ranked	242 citing authors

#	Article	IF	Citations
1	Hierarchically porous membranes with isolated-round-pores connected by narrow-nanopores: A novel solution for trade-off effect in separation. Journal of Membrane Science, 2020, 604, 118040.	8.2	25
2	Flow-Induced Ring Polymer Translocation through Nanopores. Macromolecules, 2015, 48, 6002-6007.	4.8	24
3	Flow-induced translocation of star polymers through a nanopore. Soft Matter, 2016, 12, 2851-2857.	2.7	20
4	Structure and dynamics of ions in dipolar solvents: a coarse-grained simulation study. Soft Matter, 2021, 17, 6305-6314.	2.7	17
5	Effects of surface roughness on the self-diffusion dynamics of a single polymer. Soft Matter, 2018, 14, 3550-3556.	2.7	16
6	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
7	Flow-induced translocation of vesicles through a narrow pore. Soft Matter, 2019, 15, 3307-3314.	2.7	15
8	Experimental Validation on Average Conformation of a Comblike Polystyrene Library in Dilute Solutions: Universal Scaling Laws and Abnormal SEC Elution Behavior. Macromolecules, 2021, 54, 11019-11031.	4.8	14
9	Flow-induced polymer translocation through a nanopore from a confining nanotube. Journal of Chemical Physics, 2016, 144, 174903.	3.0	13
10	Flow-Induced Translocation and Conformational Transition of Polymer Chains through Nanochannels: Recent Advances and Future Perspectives. Macromolecules, 2021, 54, 9773-9793.	4.8	12
11	Hierarchically porous membranes with multiple channels: Fabrications in PVDF/PMMA/PLLA blend and enhanced separation performance. Journal of Membrane Science, 2022, 643, 120065.	8.2	12
12	Flow-induced polymer separation through a nanopore: effects of solvent quality. Soft Matter, 2017, 13, 7239-7243.	2.7	11
13	Molecular Dynamics Simulation of Salt Diffusion in Polyelectrolyte Assemblies. Journal of Physical Chemistry B, 2018, 122, 6656-6665.	2.6	11
14	Spatial distribution of entanglements and dynamics in polymer films confined by smooth walls. Polymer, 2019, 172, 365-371.	3.8	11
15	Dynamic mode of viscoelastic capsules in steady and oscillating shear flow. Physics of Fluids, 2020, 32, .	4.0	11
16	Effects of nanopore size on the flow-induced star polymer translocation. European Physical Journal E, 2016, 39, 109.	1.6	10
17	Effects of Polymerâ€“Wall Interactions on Entanglements and Dynamics of Confined Polymer Films. Journal of Physical Chemistry B, 2017, 121, 1448-1454.	2.6	10
18	Polymer Escape from Confining Nanotube in Reverse Flow. Macromolecules, 2017, 50, 7777-7782.	4.8	10

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19	Unusual self-diffusion behaviors of polymer adsorbed on rough surfaces. Journal of Chemical Physics, 2019, 150, 064902.	3.0	9
20	Molecular dynamic simulation: Structural insights of multi-stranded curdlan in aqueous solution. Carbohydrate Polymers, 2021, 261, 117844.	10.2	9
21	Molecular dynamic simulation: Conformational properties of single-stranded curdlan in aqueous solution. Carbohydrate Polymers, 2020, 250, 116906.	10.2	8
22	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
23	Effect of Bidispersity on Structure and Entanglement of Confined Polymer Films. Journal of Physical Chemistry B, 2017, 121, 7502-7507.	2.6	7
24	Adsorption of a hydrophobic cationic polypeptide onto acidic lipid membrane. Polymer, 2017, 122, 125-138.	3.8	7
25	Dynamics Transition of Polymer Films Induced by Polymerâ€“Obstacle Entanglements on Rough Surfaces. Macromolecules, 2020, 53, 3873-3882.	4.8	7
26	Flow-Driven Translocation of a Diblock Copolymer through a Nanopore. Journal of Physical Chemistry B, 2019, 123, 8848-8852.	2.6	6
27	Migration and deformation of polyelectrolyte vesicle through a pore in electric field. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 609, 125560.	4.7	6
28	Translocation of Micelles through a Nanochannel. Macromolecules, 2022, 55, 6487-6492.	4.8	6
29	Inconsistency of Diffusion and Relaxation of Ring Polymers Adsorbed on Rough Surfaces. Journal of Physical Chemistry B, 2019, 123, 9712-9718.	2.6	5
30	Molecular dynamic simulation: Study on the recognition mechanism of linear Î²-(1Âª†'Â3)-D-glucan by Dectin-1. Carbohydrate Polymers, 2022, 286, 119276.	10.2	5
31	Dynamics of a rodlike deformable particle passing through a constriction. Physics of Fluids, 2021, 33, .	4.0	4
32	Electrohydrodynamic behavior of polyelectrolyte vesicle accompanied with ions in solution through a narrow pore induced by electric field. Physics of Fluids, 2021, 33, .	4.0	4
33	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
34	Monte Carlo study on a complex of cationic polymers and anionic lipid monolayer. Polymer, 2016, 104, 138-148.	3.8	3
35	Influence of physical ageing on rim instability during solvent-induced dewetting of a thin polymer film. RSC Advances, 2016, 6, 16751-16758.	3.6	3
36	Flow-driven competition between two capsules passing through a narrow pore. Soft Matter, 2021, 17, 9154-9161.	2.7	3

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37	Effect of hydrodynamic interaction on flow-induced polymer translocation through a nanotube. Chemical Research in Chinese Universities, 2015, 31, 658-663.	2.6	2
38	Effect of Bidispersity on Dynamics of Confined Polymer Films. Polymers, 2018, 10, 1327.	4.5	2
39	Dynamic behaviors of capsules on rough surfaces induced by shear flow under gravity. Physics of Fluids, 2022, 34, 023315.	4.0	1
40	Finite element analysis of inertial migration of polymer vesicles in microtubule flow. Wuli Xuebao/Acta Physica Sinica, 2022, .	0.5	0