

Lei Shen

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

32
papers

630
citations

14
h-index

24
g-index

36
ext. papers

741
ext. citations

6.6
avg, IF

4.05
L-index

#	Paper	IF	Citations
32	Visualizing Super-Diffusion, Oligomerization, and Fibrillation of Amyloid- β Peptide Chains along Tubular Membranes. <i>ACS Macro Letters</i> , 2021 , 10, 1295-1299	6.6	0
31	Statistical Binding Matching between Influenza A Virus and Dynamic Glycan Clusters Determines Its Adhesion onto Lipid Membranes. <i>Langmuir</i> , 2020 , 36, 15212-15219	4	1
30	Self-Coiling of Single-Stranded Protofibrils into Rings: A Pathway of Alzheimer's β Peptide Amyloidosis on Lipid Membranes. <i>ACS Macro Letters</i> , 2020 , 9, 813-818	6.6	3
29	Nanopatterned Polymer Surface Modulates Twist Polymorphism in a Single Amyloid Fibril. <i>Macromolecular Rapid Communications</i> , 2020 , 41, e1900619	4.8	2
28	Surface effects on the degree of twist in amyloid fibril structures. <i>Chemical Communications</i> , 2020 , 56, 3147-3150	5.8	2
27	Kinetic study of A β (1-42) amyloidosis in the presence of ganglioside-containing vesicles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020 , 185, 110615	6	17
26	Diffusion dynamics of a single collapsed homopolymer globule at the solid-liquid interface. <i>Soft Matter</i> , 2020 , 16, 2431-2436	3.6	2
25	Hierarchical Self-Assembly Mechanism of Ladder-Like Orientated A β Single-Stranded Protofibrils into Multistranded Mature Fibrils. <i>ACS Macro Letters</i> , 2020 , 9, 1759-1765	6.6	2
24	The electric double layer structure modulates poly-dT conformation and adsorption kinetics at the cationic lipid bilayer interface. <i>Soft Matter</i> , 2019 , 15, 4445-4453	3.6	4
23	Unravelling the mechanism of amyloid- β peptide oligomerization and fibrillation at chiral interfaces. <i>Chemical Communications</i> , 2019 , 55, 13725-13728	5.8	8
22	A mobile precursor determines protein resistance on nanostructured surfaces. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 12527-12534	3.6	7
21	Facile Strategy to Generate Aligned Polymer Nanofibers: Effects on Cell Adhesion. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 1566-1574	9.5	19
20	Quantification of Multivalency in Protein-Oligomer-Coated Nanoparticles Targeting Dynamic Membrane Glycan Receptors. <i>Langmuir</i> , 2018 , 34, 8415-8421	4	6
19	New insights into the design of conjugated polymers for intramolecular singlet fission. <i>Nature Communications</i> , 2018 , 9, 2999	17.4	61
18	Gel Phase Membrane Retards Amyloid β Peptide (1-42) Fibrillation by Restricting Slaved Diffusion of Peptides on Lipid Bilayers. <i>Langmuir</i> , 2018 , 34, 8408-8414	4	14
17	Regulation of Drug Release by Tuning Surface Textures of Biodegradable Polymer Microparticles. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 14391-14400	9.5	52
16	Surface Roughness Modulates Diffusion and Fibrillation of Amyloid- β Peptide. <i>Langmuir</i> , 2016 , 32, 8238-44	44	44

15	Block Copolymer Capsules with Structure-Dependent Release Behavior. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 14633-14637	16.4	46
14	Block Copolymer Capsules with Structure-Dependent Release Behavior. <i>Angewandte Chemie</i> , 2016 , 128, 14853-14857	3.6	1
13	Oriented Protein Nanoarrays on Block Copolymer Template. <i>Macromolecular Rapid Communications</i> , 2016 , 37, 494-9	4.8	7
12	Heterogeneous surfaces to repel proteins. <i>Advances in Colloid and Interface Science</i> , 2016 , 228, 40-54	14.3	19
11	The generation of polymeric nano-bowls through 3D confined assembly and disassembly. <i>Soft Matter</i> , 2016 , 12, 3683-7	3.6	25
10	Crystal-Like Polymer Microdiscs. <i>Macromolecules</i> , 2015 , 48, 5944-5950	5.5	5
9	Anti-biofouling surface with sub-20 nm heterogeneous nanopatterns. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 1157-1162	7.3	11
8	Heterogeneous patterns on block copolymer thin film via solvent annealing: Effect on protein adsorption. <i>Journal of Chemical Physics</i> , 2015 , 142, 101908	3.9	5
7	Membrane environment can enhance the interaction of glycan binding protein to cell surface glycan receptors. <i>ACS Chemical Biology</i> , 2014 , 9, 1877-84	4.9	7
6	A mobile precursor determines amyloid- β peptide fibril formation at interfaces. <i>Journal of the American Chemical Society</i> , 2012 , 134, 14172-8	16.4	73
5	Two dimensional nanoarrays of individual protein molecules. <i>Small</i> , 2012 , 8, 3169-74	11	21
4	Biocompatible polymer/quantum dots hybrid materials: current status and future developments. <i>Journal of Functional Biomaterials</i> , 2011 , 2, 355-72	4.8	48
3	Evidence of a mobile precursor state in nonspecific protein adsorption. <i>Langmuir</i> , 2011 , 27, 7059-64	4	14
2	Kinetics of pH-Induced formation and dissociation of polymeric vesicles assembled from a water-soluble zwitterionic diblock copolymer. <i>Langmuir</i> , 2008 , 24, 10019-25	4	38
1	How Many Stages in the Coil-to-Globule Transition of Linear Homopolymer Chains in a Dilute Solution?. <i>Macromolecules</i> , 2007 , 40, 4750-4752	5.5	65