Sharon M Loverde

List of Publications by Year
in descending order

29 papers	810 citations	567281 15 h-index	501196 28 g-index
30 all docs	30 docs citations	30 times ranked	1310 citing authors

#	Article	IF	Citations
1	The interaction of supramolecular anticancer drug amphiphiles with phospholipid membranes. Nanoscale Advances, 2021, 3, 370-382.	4.6	3
2	Domain Formation in Charged Polymer Vesicles. Macromolecules, 2021, 54, 9258-9267.	4.8	5
3	Interaction of Camptothecin with Model Cellular Membranes. Journal of Chemical Theory and Computation, 2020, 16, 3373-3384.	5.3	5
4	Molecular simulation of the shape deformation of a polymersome. Soft Matter, 2020, 16, 3234-3244.	2.7	18
5	Molecular dynamics simulations of the interaction of phospholipid bilayers with polycaprolactone. Molecular Simulation, 2019, 45, 859-867.	2.0	4
6	Rational Coarse-Grained Molecular Dynamics Simulations of Supramolecular Anticancer Nanotubes. Journal of Physical Chemistry B, 2019, 123, 10582-10593.	2.6	9
7	Glassy worm-like micelles in solvent and shear mediated shape transitions. Soft Matter, 2018, 14, 4194-4203.	2.7	6
8	Isomeric control of the mechanical properties of supramolecular filament hydrogels. Biomaterials Science, 2018, 6, 216-224.	5.4	6
9	Molecular Mechanism for the Role of the H2A and H2B Histone Tails in Nucleosome Repositioning. Journal of Physical Chemistry B, 2018, 122, 11827-11840.	2.6	22
10	Molecular Dynamics Simulations of Supramolecular Anticancer Nanotubes. Journal of Chemical Information and Modeling, 2018, 58, 1164-1168.	5.4	8
11	Effect of Nucleotide State on the Protofilament Conformation of Tubulin Octamers. Journal of Physical Chemistry B, 2018, 122, 6164-6178.	2.6	10
12	Coarse-grained molecular dynamics studies of the structure and stability of peptide-based drug amphiphile filaments. Soft Matter, 2017, 13, 7721-7730.	2.7	16
13	Molecular simulations of peptide amphiphiles. Organic and Biomolecular Chemistry, 2017, 15, 7993-8005.	2.8	38
14	Asymmetric breathing motions of nucleosomal DNA and the role of histone tails. Journal of Chemical Physics, 2017, 147, 065101.	3.0	14
15	Characterisation of the hydrophobic collapse of polystyrene in water using free energy techniques. Molecular Simulation, 2017, 43, 234-241.	2.0	8
16	Ï€â€“Ï€ Stacking Mediated Chirality in Functional Supramolecular Filaments. Macromolecules, 2016, 49, 994-1001.	4.8	41
17	Molecular Simulation of the Concentration-Dependent Interaction of Hydrophobic Drugs with Model Cellular Membranes. Journal of Physical Chemistry B, 2014, 118, 11965-11972.	2.6	33
18	Computer simulation of polymer and biopolymer self-assembly for drug delivery. Molecular Simulation, 2014, 40, 794-801.	2.0	19

#	Article	IF	Citations
19	Molecular Simulation of the Transport of Drugs across Model Membranes. Journal of Physical Chemistry Letters, 2014, 5, 1659-1665.	4.6	52
20	TCR Triggering by pMHC Ligands Tethered on Surfaces via Poly(Ethylene Glycol) Depends on Polymer Length. PLoS ONE, 2014, 9, e112292.	2.5	46
21	Probing the structure of PEGylated-lipid assemblies by coarse-grained molecular dynamics. Soft Matter, 2013, 9, 11549.	2.7	27
22	Degradable Poly(ethylene oxide)-block-polycaprolactone Worm-like Micelles: From Phase Transitions and Molecular Simulation to Persistent Circulation and Shrinking Tumors. ACS Symposium Series, 2012, , 255-285.	0.5	0
23	Nanoparticle Shape Improves Delivery: Rational Coarse Grain Molecular Dynamics (rCGâ€MD) of Taxol in Wormâ€Like PEGâ€PCL Micelles. Advanced Materials, 2012, 24, 3823-3830.	21.0	136
24	Curvature-Coupled Hydration of Semicrystalline Polymer Amphiphiles Yields flexible Worm Micelles but Favors Rigid Vesicles: Polycaprolactone-Based Block Copolymers. Macromolecules, 2010, 43, 9736-9746.	4.8	111
25	Curvature-driven molecular demixing in the budding and breakup of mixed component worm-like micelles. Soft Matter, 2010, 6, 1419.	2.7	59
26	Asymmetric charge patterning on surfaces and interfaces: Formation of hexagonal domains. Journal of Chemical Physics, 2007, 127, 164707.	3.0	16
27	Charged Particles on Surfaces: Coexistence of Dilute Phases and Periodic Structures at Interfaces. Physical Review Letters, 2007, 98, 237802.	7.8	40
28	Competing interactions in two dimensional Coulomb systems: Surface charge heterogeneities in coassembled cationic-anionic incompatible mixtures. Journal of Chemical Physics, 2006, 124, 144702.	3.0	27
29	Thermodynamics of reversibly associating ideal chains. Journal of Polymer Science, Part B: Polymer Physics, 2005, 43, 796-804.	2.1	24