Suman Das

List of Publications by Year
in descending order

19	882	566801 15	839053 18
papers	citations	h-index	g-index

20	20	20	602
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Comparative roles of charge, Ï€ , and hydrophobic interactions in sequence-dependent phase separation of intrinsically disordered proteins. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 28795-28805.	3.3	159
2	Coarse-grained residue-based models of disordered protein condensates: utility and limitations of simple charge pattern parameters. Physical Chemistry Chemical Physics, 2018, 20, 28558-28574.	1.3	98
3	Interaction and dynamics of (alkylamide + electrolyte) deep eutectics: Dependence on alkyl chain-length, temperature, and anion identity. Journal of Chemical Physics, 2014, 140, 104514.	1.2	91
4	A Lattice Model of Charge-Pattern-Dependent Polyampholyte Phase Separation. Journal of Physical Chemistry B, 2018, 122, 5418-5431.	1.2	89
5	Density relaxation and particle motion characteristics in a non-ionic deep eutectic solvent (acetamide) Tj ETQq1 1 0.784314 rgBT /Ov Journal of Chemical Physics, 2015, 142, 034505.	1.2	69
6	Reorientational Jump Dynamics and Its Connections to Hydrogen Bond Relaxation in Molten Acetamide: An All-Atom Molecular Dynamics Simulation Study. Journal of Physical Chemistry B, 2015, 119, 274-283.	1.2	63
7	Orientational Jumps in (Acetamide + Electrolyte) Deep Eutectics: Anion Dependence. Journal of Physical Chemistry B, 2015, 119, 11157-11168.	1.2	61
8	Fast fluctuations in deep eutectic melts: Multi-probe fluorescence measurements and all-atom molecular dynamics simulation study. Chemical Physics Letters, 2013, 581, 47-51.	1.2	47
9	Analytical Theory for Sequence-Specific Binary Fuzzy Complexes of Charged Intrinsically Disordered Proteins. Journal of Physical Chemistry B, 2020, 124, 6709-6720.	1.2	38
10	Dielectric relaxation in acetamide + urea deep eutectics and neat molten urea: Origin of time scales via temperature dependent measurements and computer simulations. Journal of Chemical Physics, 2018, 149, 124501.	1.2	34
11	Collective dynamic dipole moment and orientation fluctuations, cooperative hydrogen bond relaxations, and their connections to dielectric relaxation in ionic acetamide deep eutectics: Microscopic insight from simulations. Journal of Chemical Physics, 2016, 145, 084504.	1.2	28
12	A Simple Explicit-Solvent Model of Polyampholyte Phase Behaviors and Its Ramifications for Dielectric Effects in Biomolecular Condensates. Journal of Physical Chemistry B, 2021, 125, 4337-4358.	1.2	24
13	Subcompartmentalization of polyampholyte species in organelle-like condensates is promoted by charge-pattern mismatch and strong excluded-volume interaction. Physical Review E, 2021, 103, 042406.	0.8	24
14	Microstructures and their lifetimes in acetamide/electrolyte deep eutectics: anion dependence. Journal of Chemical Sciences, 2017, 129, 939-951.	0.7	18
15	Heterogeneous dynamics, correlated time and length scales in ionic deep eutectics: Anion and temperature dependence. Journal of Chemical Physics, 2020, 153, 234502.	1.2	15
16	Orientational dynamics in a room temperature ionic liquid: Are angular jumps predominant?. Journal of Chemical Physics, 2018, 148, 193839.	1.2	14
17	Temperature-Dependent Dielectric Relaxation in Ionic Acetamide Deep Eutectics: Partial Viscosity Decoupling and Explanations from the Simulated Single-Particle Reorientation Dynamics and Hydrogen-Bond Fluctuations. Journal of Physical Chemistry B, 2021, 125, 12552-12567.	1.2	7
18	Conformational Heterogeneity and Theory of Sequence-Specific Functional Phase Separation of Intrinsically Disordered Proteins. Biophysical Journal, 2018, 114, 6a.	0.2	0

#	Article	IF	Citations
19	Coarse-Grained Simulations of Disordered Proteins: Effect of Interaction Potentials and Charge Pattern Parameters. Biophysical Journal, 2019, 116, 198a-199a.	0.2	0