Suman Das

List of Publications by Year in Descending Order

17 papers	593 citations	13 h-index	20 g-index
20 ext. papers	738 ext. citations	3.4 avg, IF	4.6 L-index

#	Paper	IF	Citations
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	3.4	2
16	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	3.4	12
15	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	2.4	11
14	Comparative roles of charge, , 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	11.5	56
13	Analytical Theory for Sequence-Specific Binary Fuzzy Complexes of Charged Intrinsically Disordered Proteins. *Journal of Physical Chemistry B*, **2020**, 124, 6709-6720	3.4	21
12	Heterogeneous dynamics, correlated time and length scales in ionic deep eutectics: Anion and temperature dependence. *Journal of Chemical Physics*, **2020**, 153, 234502	3.9	8
11	A Lattice Model of Charge-Pattern-Dependent Polyampholyte Phase Separation. *Journal of Physical Chemistry B*, **2018**, 122, 5418-5431	3.4	62
10	Orientational dynamics in a room temperature ionic liquid: Are angular jumps predominant?. *Journal of Chemical Physics*, **2018**, 148, 193839	3.9	13
9	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	3.6	63
8	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	3.9	26
7	Microstructures and their lifetimes in acetamide/electrolyte deep eutectics: anion dependence. *Journal of Chemical Sciences*, **2017**, 129, 939-951	1.8	15
6	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	3.9	24
5	Orientational Jumps in (Acetamide + Electrolyte) Deep Eutectics: Anion Dependence. *Journal of Physical Chemistry B*, **2015**, 119, 11157-68	3.4	51
4	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, 274-83	3.4	53
3	Density relaxation and particle motion characteristics in a non-ionic deep eutectic solvent (acetamide + urea): time-resolved fluorescence measurements and all-atom molecular dynamics simulations. *Journal of Chemical Physics*, **2015**, 142, 034505	3.9	56
2	Interaction and dynamics of (alkylamide + electrolyte) deep eutectics: dependence on alkyl chain-length, temperature, and anion identity. *Journal of Chemical Physics*, **2014**, 140, 104514	3.9	75
1	Fast fluctuations in deep eutectic melts: Multi-probe fluorescence measurements and all-atom molecular dynamics simulation study. *Chemical Physics Letters*, **2013**, 581, 47-51	2.5	42