

# Animesh Patra

## List of Publications by Year in descending order

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22  
papers

308  
citations

759233

12  
h-index

839539

18  
g-index

22  
all docs

22  
docs citations

22  
times ranked

391  
citing authors

#	ARTICLE	IF	CITATIONS
1	The influence of charge on the structure and dynamics of water encapsulated in reverse micelles. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 12875.	2.8	39
2	Dielectric relaxation of the extended hydration sheathe of DNA in the THz frequency region. <i>Chemical Physics Letters</i> , 2013, 586, 143-147.	2.6	29
3	Do the Physical Properties of Water in Mixed Reverse Micelles Follow a Synergistic Effect: A Spectroscopic Investigation. <i>Journal of Physical Chemistry B</i> , 2013, 117, 3593-3602.	2.6	29
4	Entropy Contribution toward Micelle-Driven Deintercalation of Drug-DNA Complex. <i>Journal of Physical Chemistry B</i> , 2014, 118, 901-908.	2.6	24
5	Observation of Extremely Weakly Interacting OH ( $\sim 1/43600 \text{ cm}^{-1}$ ) in the Vicinity of High Charge Density Metal Ions ( $M^{z+}$ ; $z = 1, 2, 3$ ): A Structural Heterogeneity in the Extended Hydration Shell. <i>Journal of Physical Chemistry C</i> , 2020, 124, 3028-3036.	3.1	21
6	Slow Relaxation Dynamics of Water in Hydroxypropyl Cellulose-Water Mixture Traces Its Phase Transition Pathway: A Spectroscopic Investigation. <i>Journal of Physical Chemistry B</i> , 2012, 116, 1508-1516.	2.6	19
7	Ionic liquid mediated micelle to vesicle transition of a cationic gemini surfactant: a spectroscopic investigation. <i>Soft Matter</i> , 2018, 14, 4185-4193.	2.7	19
8	Soft interaction and excluded volume effect compete as polyethylene glycols modulate enzyme activity. <i>International Journal of Biological Macromolecules</i> , 2018, 118, 209-215.	7.5	19
9	Non-monotonic dynamics of water in its binary mixture with 1,2-dimethoxy ethane: A combined THz spectroscopic and MD simulation study. <i>Journal of Chemical Physics</i> , 2016, 145, 164501.	3.0	18
10	Restructuring of Hydration Shell Water due to Solvent-Shared Ion Pairing (SSIP): A Case Study of Aqueous $MgCl_2$ and $LaCl_3$ Solutions. <i>Journal of Physical Chemistry B</i> , 2020, 124, 8141-8148.	2.6	18
11	Enhanced Catalytic Activity of $\hat{\Gamma}$ -Chymotrypsin in Cationic Surfactant Solutions: The Component Specificity Revisited. <i>Journal of Physical Chemistry B</i> , 2017, 121, 1457-1465.	2.6	17
12	Solvent dynamics in a reverse micellar water-pool: a spectroscopic investigation of DDAB-cyclohexane-water systems. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 930-939.	2.8	16
13	Preferential solvation of lysozyme in dimethyl sulfoxide/water binary mixture probed by terahertz spectroscopy. <i>Biophysical Chemistry</i> , 2016, 216, 31-36.	2.8	11
14	Heterogeneous structure and solvation dynamics of DME/water binary mixtures: A combined spectroscopic and simulation investigation. <i>Chemical Physics Letters</i> , 2018, 700, 50-56.	2.6	9
15	Micelle induced dissociation of DNA-ligand complexes: The effect of ligand binding specificity. <i>International Journal of Biological Macromolecules</i> , 2016, 82, 418-424.	7.5	8
16	Effect of Surfactant Tail Length on the Hydroxypropyl Cellulose-Mediated Premicellar Aggregation of Sodium $n$ -Alkyl Sulfate Surfactants. <i>Langmuir</i> , 2021, 37, 6168-6177.	3.5	4
17	Polyethylene glycols affect electron transfer rate in phenosafranin-DNA complex. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 225, 117464.	3.9	3
18	Terahertz conductivity engineering in surface decorated carbon nanotube films by gold nanoparticles. <i>Applied Optics</i> , 2017, 56, 1107.	2.1	2

#	ARTICLE	IF	CITATIONS
19	Modulating conductivity of Au/CNT composites in THz frequency range: A THz resistor. , 2014, , .		1
20	Is fast relaxation water really a free water?. , 2017, , .		1
21	Interaction of Zwitterionic Osmolyte Trimethylamine <i>N</i> -oxide (TMAO) with Molecular Hydrophobes: An Interplay of Hydrophobic and Electrostatic Interactions. Journal of Physical Chemistry B, 2021, 125, 10939-10946.	2.6	1
22	Collective Hydration Dynamics in Binary Mixtures: A THz Time Domain Spectroscopic Study. , 2019, , .		0