## Debashree Chakraborty

## List of Publications by Year

 in descending orderSource: https:/|exaly.com/author-pdf/2462832/publications.pdf
Version: 2024-02-01

How Crystals Nucleate and Grow in Aqueous NaCl Solution. Journal of Physical Chemistry Letters,

| 11 | Anti-corrosion investigation of a new nitro veratraldehyde substituted imidazopyridine derivative Schiff base on mild steel surface in hydrochloric acid medium: Experimental, computational, surface morphological analysis. Materials Chemistry and Physics, 2022, 281, 125855. | 4.0 | 17 |
| :---: | :---: | :---: | :---: |
| 12 | Effective inhibition of mild steel corrosion by 6-bromo-(2,4-dimethoxyphenyl)methylidene]imidazo [1,2-a] pyridine-2-carbohydrazide in $0.5 \mathrm{~A} M \mathrm{HCl}$ : Insights from experimental and computational study. Journal of Molecular Structure, 2021, 1232, 130074. | 3.6 | 15 |
| 13 | Effect of hydrophobic and hydrogen bonding interactions on the potency of ÃҮ̈̂̂€alanine analogs of Gâ€protein coupled glucagon receptor inhibitors. Proteins: Structure, Function and Bioinformatics, 2020, 88, 327-344. | 2.6 | 14 |

14 Computational insights into factor affecting the potency of diaryl sulfone analogs as Escherichia coli dihydropteroate synthase inhibitors. Computational Biology and Chemistry, 2019, 78, 37-52.
2.3

12

> Epitope-Based Potential Vaccine Candidate for Humoral and Cell-Mediated Immunity to Combat Severe
> 15 Acute Respiratory Syndrome Coronavirus 2 Pandemic. Journal of Physical Chemistry Letters, 2020, 11 ,
$4.6 \quad 12$
9920-9930.
Pressure effects on diffusion in liquid ammonia : A simulation study using a combination of
16 isobaric-isothermal and microcanonical molecular dynamics. Indian Journal of Physics, 2009, 83,
1.8

11 91-100.

17 Carbohelicenes and thiahelicene from phthalaldehydes through Perkin approach. Journal of Molecular Structure, 2019, 1195, 309-314.
$\square$

| 21 | Structural and dynamical properties of water in surfactant-like peptide-based nanotubes: Effect of pore size, tube length and charge. Journal of Molecular Liquids, 2021, 323, 115033. | 4.9 | 7 |
| :---: | :---: | :---: | :---: |
| 22 | In-silico epitope identification and design of Uricase mutein with reduced immunogenicity. Process Biochemistry, 2020, 92, 288-302. | 3.7 | 6 |
| 23 | Theoretical insights into molecular mechanism and energy criteria of PARPâ $\in \mathcal{Z}$ enzyme inhibition by benzimidazole analogues. Proteins: Structure, Function and Bioinformatics, 2021, 89, 988-1004. | 2.6 | 6 |
| 24 | Molecular mechanism of inhibition of COVID-19 main protease by $\hat{2}$-adrenoceptor agonists and adenosine deaminase inhibitors using <i>in silico</i> methods. Journal of Biomolecular Structure and Dynamics, 2022, 40, 5112-5127. | 3.5 | 5 |
| 25 | Preferential binding affinity of ions and their effect on structure and dynamics of water near antimicrobial peptide. Journal of Molecular Liquids, 2021, 344, 117789. | 4.9 | 5 |

Exploring the potential role of quercetin in corrosion inhibition of aluminium alloy 6063 in Technology, 2022, 36, 2020-2045.

Temperature-Dependent Conformational Evolution of SARS CoV-2 RNA Genome Using Network Analysis. Journal of Physical Chemistry B, 2021, 125, 10672-10681.

Deciphering the competitive inhibition of dihydropteroate synthase by 8 marcaptoguanine analogs: enhanced potency in phenylsulfonyl fragments. Journal of Biomolecular Structure and Dynamics, 2021, , 1-20.
29 Influence of lon Specificity and Concentration on the Conformational Transition of Intrinsically

Diverse interactions of aggregated insulin with selected coumarin dyes: Time dependent
30 fluorogenicity, simulation studies and comparison with thioflavin T. Dyes and Pigments, 2021, 184,

## 108796.

31 Exploring the multiple conformational states of RNA genome through interhelical dynamics and network analysis. Journal of Molecular Craphics and Modelling, 2022, 116, 108264.

