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- Ph.D. Student in Mechanical Engineering, admitted Autumn 2024
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Publications

PUBLICATIONS

- **Entropy-mode-driven gas optics** *PHYSICAL REVIEW APPLIED*
Michel, P., Oudin, A., Rajesh, H., Ou, K., Chakraborty, D., Cao, S., Kur, E., Lancia, L., Ghosh, D., Riconda, C., Wurtele, J. S., Edwards, M. R.
2026; 25 (2)
- **From diffusive evaporation to explosive boiling: Role of wettability in phase change dynamics of nanoscale binary liquid films** *COLLOIDS AND SURFACES A-PHYSICO-CHEMICAL AND ENGINEERING ASPECTS*
Esha, S., Chakraborty, D., Paul, S., Hasan, M.
2025; 716
- **Nanoscale liquid-vapor phase change characteristics of binary mixtures from molecular dynamics perspective** *JOURNAL OF MOLECULAR LIQUIDS*
Chakraborty, D., Esha, S., Paul, S., Hasan, M.
2023; 384
- **Role of wettability contrast on nanoscale condensation over hybrid wetting surface with gradient and patterned wetting configuration at various philic-phobic content** *SURFACES AND INTERFACES*
Paul, S., Chakraborty, D., Esha, S., Hasan, M.
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