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Ph.D. Student in Chemistry, admitted Autumn 2020

Publications

PUBLICATIONS

- **Data-Efficient Generation of Protein Conformational Ensembles with Backbone-to-Side-Chain Transformers.** *The journal of physical chemistry. B*
Chennakesavalu, S., Rotskoff, G. M.
2024
- **Adaptive nonequilibrium design of actin-based metamaterials: Fundamental and practical limits of control.** *Proceedings of the National Academy of Sciences of the United States of America*
Chennakesavalu, S., Manikandan, S. K., Hu, F., Rotskoff, G. M.
2024; 121 (8): e2310238121
- **Ensuring thermodynamic consistency with invertible coarse-graining.** *The Journal of chemical physics*
Chennakesavalu, S., Toomer, D. J., Rotskoff, G. M.
2023; 158 (12): 124126
- **Unified, Geometric Framework for Nonequilibrium Protocol Optimization.** *Physical review letters*
Chennakesavalu, S., Rotskoff, G. M.
2023; 130 (10): 107101
- **Probing the theoretical and computational limits of dissipative design.** *The Journal of chemical physics*
Chennakesavalu, S., Rotskoff, G. M.
2021; 155 (19): 194114
- **Kinetic modeling reveals additional regulation at co-transcriptional level by post-transcriptional sRNA regulators** *CELL REPORTS*
Reyer, M. A., Chennakesavalu, S., Heideman, E. M., Ma, X., Bujnowska, M., Hong, L., Dinner, A. R., Vanderpool, C. K., Fei, J.
2021; 36 (13): 109764