

Asst. Prof. DERYA VURAL

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Foreign Languages

English, C1 Advanced

Research Areas

Biophysics, Atomic and Molecular Interactions

Academic Titles / Tasks

Research Assistant, University of Delaware, Art and Science, Physics and Astronomy, 2009 - 2014

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Molecular-level design of alternative media for energy-saving pilot-scale fibrillation of nanocellulose**
Liu S., Rukmani S. J., Mohan M., Yu Y., Vural D., Johnson D. A., Copenhaver K., Bhagia S., Lamm M. E., Li K., et al.
Proceedings of the National Academy of Sciences of the United States of America, vol.121, no.37, 2024 (SCI-Expanded)
- II. **Computational study on the impact of linkage sequence on the structure and dynamics of lignin**
VURAL D.
European Biophysics Journal, 2024 (SCI-Expanded)
- III. **Water molecule ordering on the surface of an intrinsically disordered protein**
VURAL D., Shrestha U. R., Petridis L., Smith J. C.
Biophysical Journal, vol.122, no.22, pp.4326-4335, 2023 (SCI-Expanded)