

Research applications utilizing **Spartan** in:

 Excited State chemistry

 UV/vis calculations

   Tevhide Ayça Yıldız, İbrahim Deneme, Hakan Usta*, Achieving Extreme Solubility and Green Solvent-Processed Organic Field-Effect Transistors: A Viable Asymmetric Functionalization of [1]Benzothieno[3,2-b][1] benzothiophenes. *ACS Appl. Mater. Interfaces* **2025**, 17, 35, 49720–49736. <https://doi.org/10.1021/acsami.5c12618> [open access]

  Shahzaib Ahamad*, Kanipakam Hema, and Dinesh Gupta*, Identification of Novel Tau-Tubulin Kinase 2 Inhibitors Using Computational Approaches. *ACS Omega* **2023**, 8, 14, 13026–13037. <https://doi.org/10.1021/acsomega.3c00225> [open access]

  McGeoch*, J.E.M., McGeoch, M.W. Chiral 480 nm absorption in the hemoglycin space polymer: a possible link to replication. *Sci Rep* **2022**, 12, 16198. <https://doi.org/10.1038/s41598-022-21043-4> [open access]

   Yuji Shinohara and Naoto Tsubouchi*, Electronic State of Low-Rank Coals with Exchanged Sodium Cations. *ACS Omega* **2020**, 5, 3, 1688-1697. <https://doi.org/10.1021/acsomega.9b03780> [open access]

  Mark P. Heitz, Kristina L. Fuller, and Kaitlin A Ordiway. Dissolution of Trihexyltetradecylphosphonium Chloride in Supercritical CO₂ *ChemEngineering*, **2017**, 1(2), 12. <https://doi.org/10.3390/chemengineering1020012> [open access]

   E. Orucu, G. Tugcu, and M.T. Sacan*, Molecular structure-absorptions study on current textile dyes. *SAR QSAR Environ. Res.*, **2014**, 25(12), 983-998. <https://doi.org/10.1080/1062936X.2014.976266>