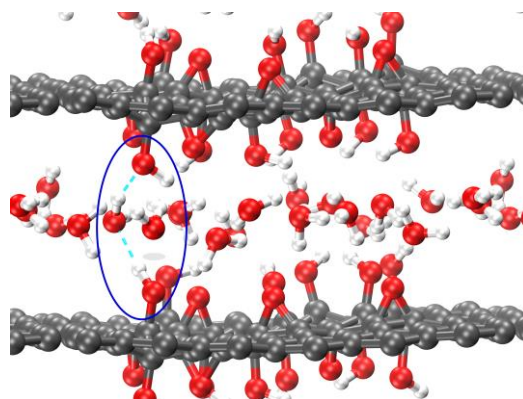


18th November 2021, 3:00 pm
Moyassar Meshhal
Molecular Quantum Dynamics

Double Layer Graphene Oxide and Confined Water

Graphene Oxide (GO) is one of the promising 2D materials that has potential applications in various fields, (e.g., water treatment, energy storage, etc.). Therefore, numerous studies on its structural models, properties and preparation methods in addition to many other aspects of this material have been published over the last two decades. Among these studies, one could find tens of studies on GO/water interface and the properties of GO in water. Nevertheless, many important questions still to be answered. The current study has utilized molecular dynamics (MD) simulations to shed light on the dynamics of confined water in-between the GO layered and the effect of H-bonds and H-bond bridges on water diffusion.



GO-water-GO bridge through H-bonds

Talk: English

Slides: English

Location: Great Lecture Hall, HS1, Institute for Physics, Albert-Einstein Str. 24

Hybrid-Meeting: <https://uni-rostock-de.zoom.us/j/67191822515?pwd=UTVJSXVPaDVLV0ZSZW9LR3NRRVWF2UT09>