

Experimental determination of the interaction potential between a helium atom and the interior surface of a C60 fullerene molecule

Bacanu, George Razvan; Jafari, Tanzeeha; Aouane, Mohamed; Rantaharju, Jyrki; Walkey, Mark; Hoffman, Gabriela; Shugai, Anna; Nagel, Urmias; Jimenez-Ruiz, Monica; Horsewill, Anthony J.; Rols, Stephane; Rööm, Toomas; Whitby, Richard J.; Levitt, Malcolm H. The Journal of chemical physics 2021 / art. 144302 <https://doi.org/10.1063/5.0066817>

Ne, Ar, and Kr oscillators in the molecular cavity of fullerene C60

Jafari, Tanzeeha; Shugai, Anna; Nagel, Urmias; Bacanu, George Razvan; Aouane, Mohamed; Jimenez-Ruiz, Monica; Rols, Stephane; Bloodworth, Sally; Walkey, Mark; Hoffman, Gabriela; Whitby, Richard J.; Levitt, Malcolm H.; Rööm, Toomas The Journal of chemical physics 2023 / art. 234305 : ill <https://doi.org/10.1063/5.0152628>

Squeezing formaldehyde into C60 fullerene

Vyas, Vijyesh K.; Bacanu, George Razvan; Soundararajan, Murari; Marsden, Elizabeth S.; **Jafari, Tanzeeha**; Shugai, Anna; Light, Mark E.; Nagel, Urmias; Rööm, Toomas; Levitt, Malcolm H.; Whitby, Richard J. Nature Communications 2024 / art. 2515 <https://doi.org/10.1038/s41467-024-46886-5> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Terahertz spectroscopy of the helium endofullerene He@C60

Jafari, Tanzeeha; Bacanu, George Razvan; Shugai, Anna; Nagel, Urmias; Walkey, Mark; Hoffman, Gabriela; Levitt, Malcolm H.; Whitby, Richard J.; Rööm, Toomas Physical chemistry chemical physics 2022 / p. 9943–9952 : ill <https://doi.org/10.1039/d2cp00515h>