

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; Rõõm, 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

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Quantum dynamics of noble gas atoms and methane in the molecular cavity of fullerene : terahertz spectroscopy study = Väärisgaasi aatomite ja metaani kvantdünaamika fullereeni molekulaarses õõnsuses : terahertsspektroskoopia uurimus

Jafari, Tanzeeha 2025 <https://digikogu.taltech.ee/et/Item/33879cfc-2e32-4b05-bdbc-86e033784086> <https://doi.org/10.23658/taltech.6/2025> https://www.ester.ee/record=b5728363*est

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; Rõõm, 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

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