



Showcasing research from the group of Prof. Gao-Lei Hou at Xi'an Jiao Tong University, China and Dr Ransel Barzaga at Instituto de Astrofísica de Canarias, Spain

Metallofullerenes as potential candidates for the explanation of astrophysical phenomena

This work discusses the potential relevance of metallofullerenes, either exohedral or endohedral, along with unexplained data or poorly explained astrophysical phenomena, in light of recent advances from both laboratory infrared spectroscopy experiments and quantum chemistry calculations on metallofullerenes from the authors. In particular, the impact of metallofullerenes on understanding the carriers of unidentified infrared emission bands and diffuse interstellar bands was highlighted. This work is expected to gain great attention in the JWST era.

Background image source: NASA

As featured in:



See Ransel Barzaga and Gao-Lei Hou, *Phys. Chem. Chem. Phys.*, 2024, **26**, 13622.