

# RSC Applied Polymers

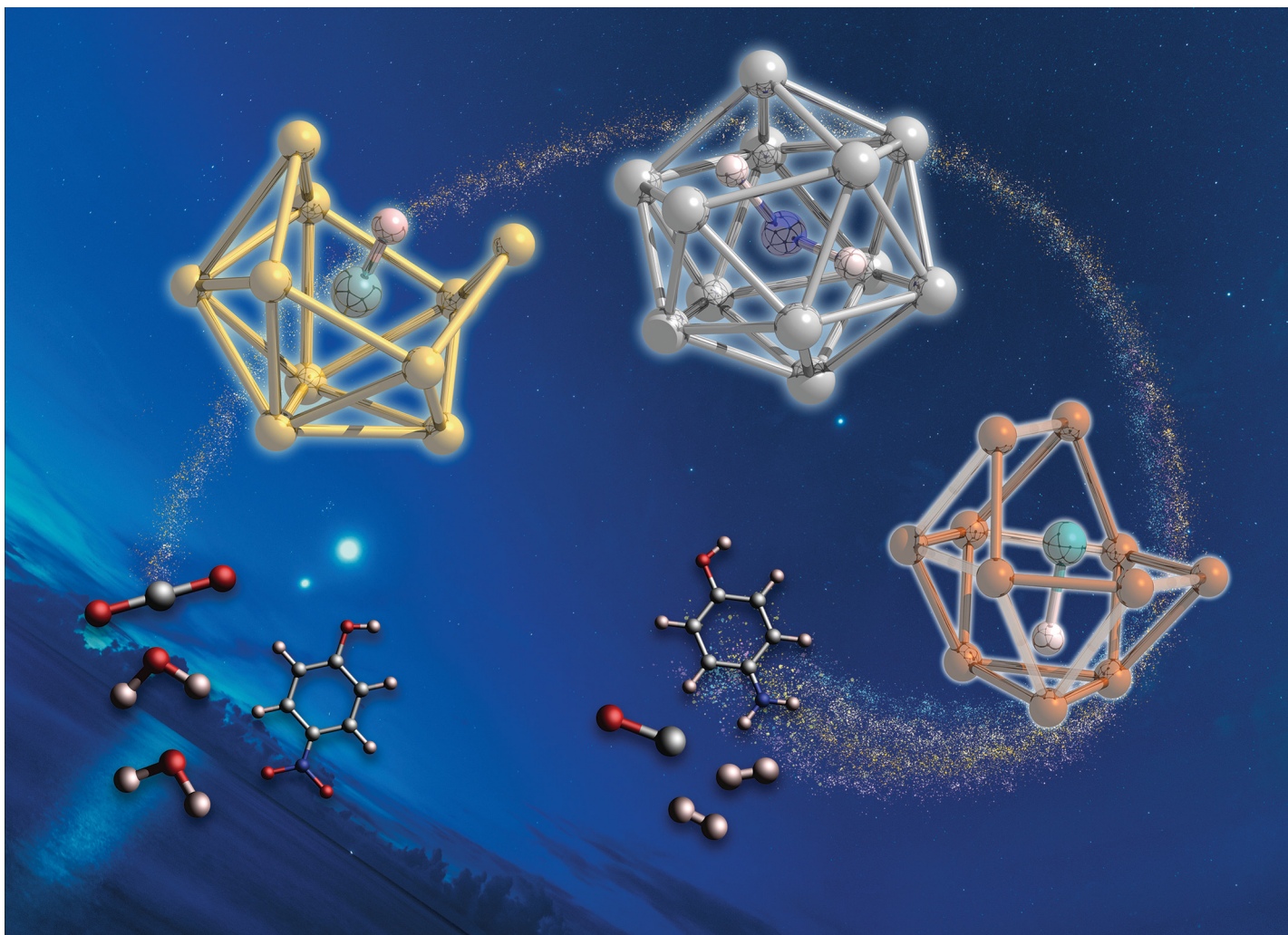
GOLD  
OPEN  
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The application of polymers,  
both natural and synthetic

Interdisciplinary and open access

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Fundamental questions  
Elemental answers



Showcasing research from Professor C. W. Liu's laboratory, Department of Chemistry, National Dong Hwa University, Hualien, Taiwan.

Hydride-doped coinage metal superatoms and their catalytic applications

The research group specializes in atomically precise nanocluster chemistry, focusing on coinage metal-rich assemblies, with various metallic dopants. This review highlights the recent developments in rare examples of superatoms that retain a hydride within the structure post-reduction. The primary focus is structures that have identified the hydride position by a combination of experimental techniques. The crucial role NMR can play in the identification of hydride environments is highlighted, along with the catalytic application of these unique constructs.

As featured in:



See C. W. Liu *et al.*,  
*Nanoscale Horiz.*, 2024, **9**, 675.