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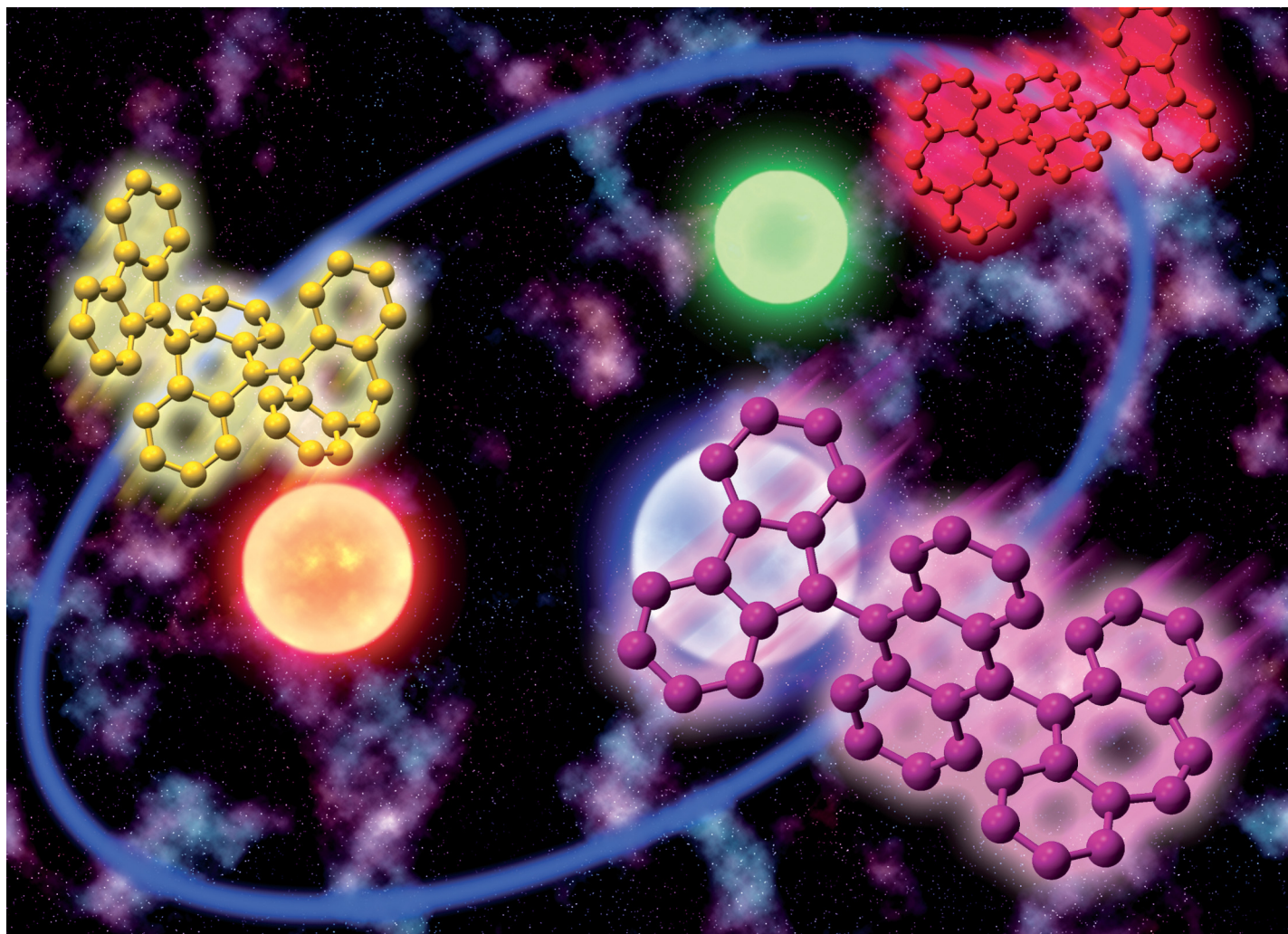
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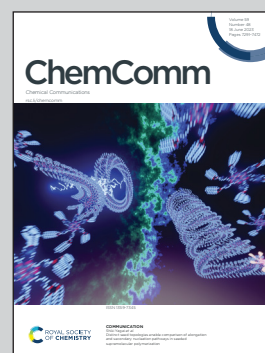


Showcasing research from Professor Nishiuchi and Kubo's laboratory, Department of Chemistry, Graduate School of Science, Osaka University, Osaka, Japan.

Synthesis and structural evaluation of closed-shell folded and open-shell twisted hexabenzobenzene

We synthesized hexabenzobenzene and demonstrated spin-state switching by a combination of chemical oxidation/reduction and thermal stimulation. This spin-state switching cycles like a planet in orbit around three stars exhibiting chemical oxidation, reduction, and thermal stimulation, as shown in the artwork.

As featured in:



See Tomohiko Nishiuchi,
Takashi Kubo *et al.*,
Chem. Commun., 2023, **59**, 7379.