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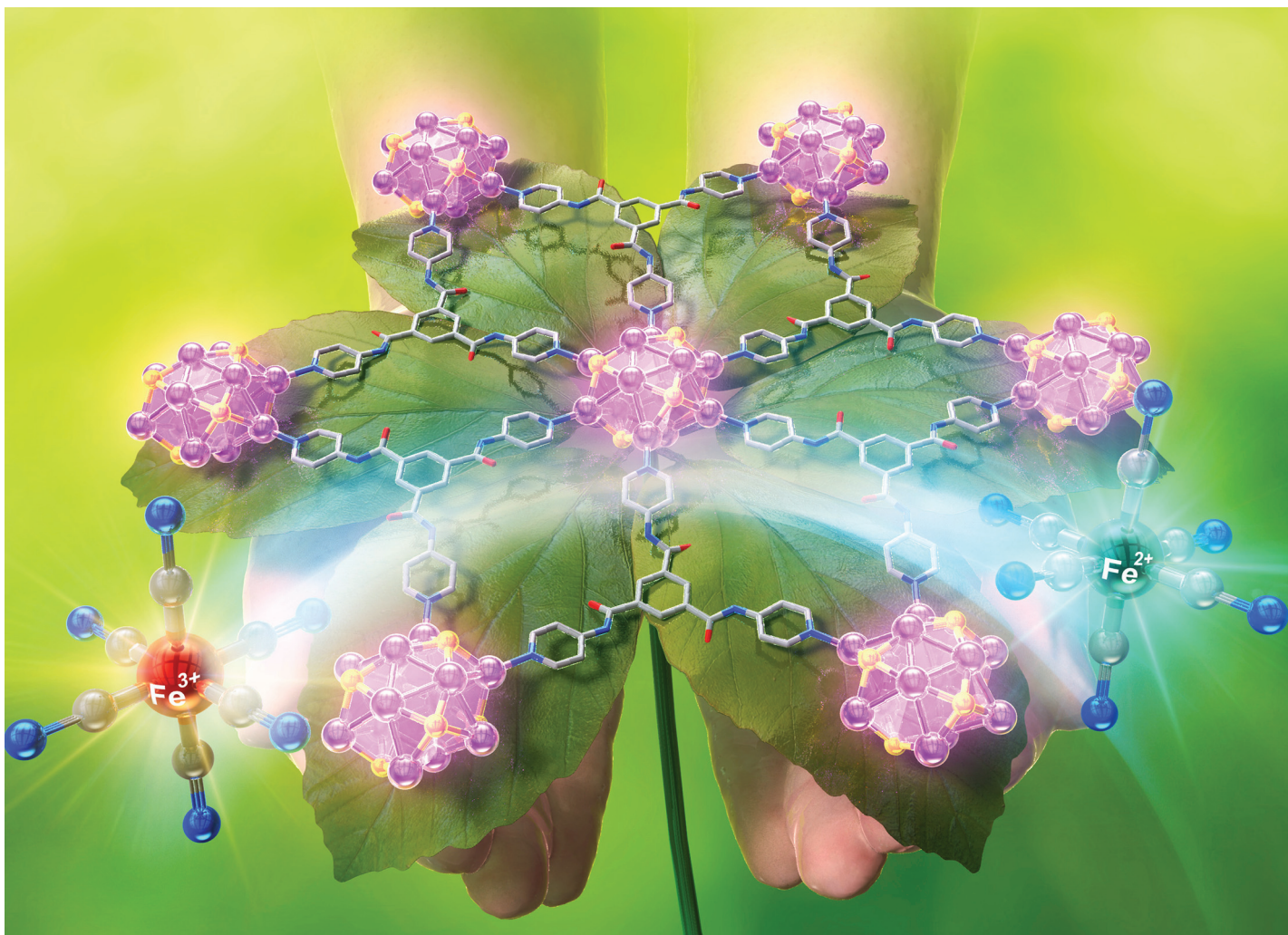
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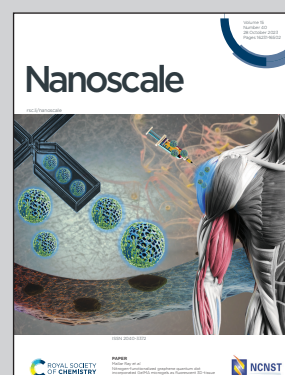


Showcasing research from Prof. Yuichi Negishi's laboratory, Tokyo University of Science, Japan.

A new two-dimensional luminescent Ag_{12} cluster-assembled material and its catalytic activity for reduction of hexacyanoferrate(III)

The first silver cluster-assembled material with an intriguing (3,6)-connected **k_{gd}** topology has been synthesized by reticulating C_6 -symmetric Ag_{12} cluster cores with C_3 -symmetric tripodal pyridine linkers. The compact mesoporous structural architecture not only gives the excellent surface area but also offers impressive stability of this material even in water medium. Taking advantage of these properties, this silver cluster-assembled material shows brilliant catalytic activity in the reduction of hexacyanoferrate(III) using sodium borohydride in aqueous solutions.

As featured in:



See Saikat Das, Yuichi Negishi *et al.*, *Nanoscale*, 2023, **15**, 16290.