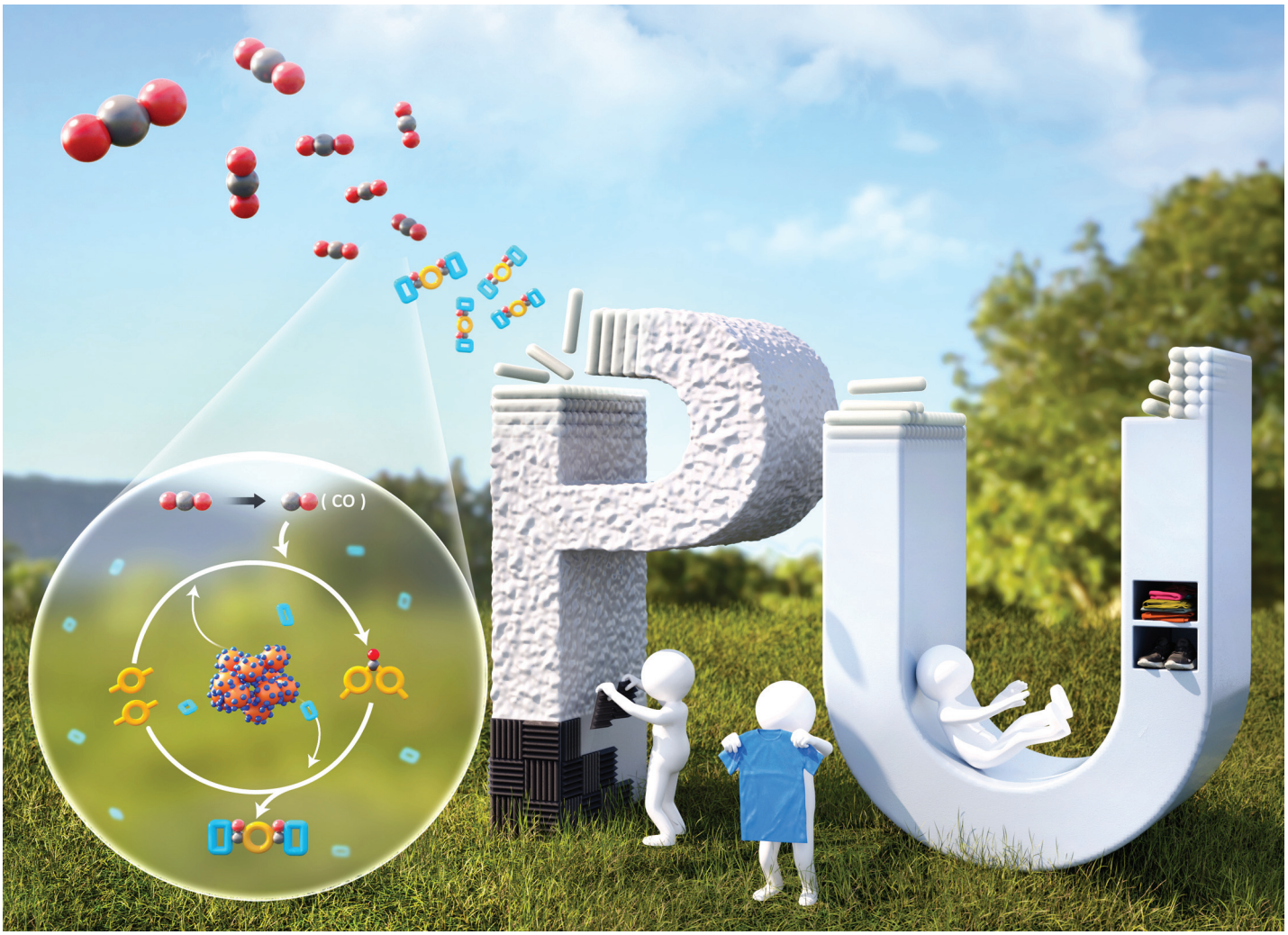

Showcasing research by Jin Hee Lee and Ji Hoon Park *et al.* from CO_2 & Energy Research Center, Korea Research Institute of Chemical Technology (KRICT), Republic of Korea.

A dual-functional catalyst for selective dicarbamate synthesis *via* oxidative carbonylation: enhanced methoxylation for suppressing urea polymer formation

The synthesis of dicarbamate *via* oxidative carbonylation is a key process for polyurethane production from CO_2. In this study, a dual-functional catalyst effectively synthesized dicarbamates with a high yield by enhancing methoxylation reactivity. Additionally, the successful suppression of urea polymers, the main by-product, was achieved. The findings of this study are anticipated to motivate the development of efficient catalytic systems for the eco-friendly production of polyurethane.

As featured in:

See Jin Hee Lee, Ji Hoon Park *et al.*, *Green Chem.*, 2024, **26**, 7732.

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