



Showcasing research from Dr. Michel Ferreira, Unité de catalyse et chimie du solide (UCCS), University of Artois, Lens, France.

Rhodium catalyst immobilization in trialkylamine-functionalized ionic liquids as a new efficient way to promote biphasic reductive hydroformylation of methyl 10-undecenoate

The crab welder's meticulous handiwork... Rhodium/trialkylamine catalytic systems are well known for their high efficiency in reductive hydroformylation, particularly in biphasic ionic liquid media where catalyst immobilization can be achieved. However, their catalytic activity remains relatively modest. By directly welding the amine onto the imidazolium moiety of the ionic liquid, a significant improvement in catalytic activity is obtained, while maintaining effective catalyst immobilization.

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See Michel Ferreira *et al.*, *Green Chem.*, 2026, **28**, 6983.