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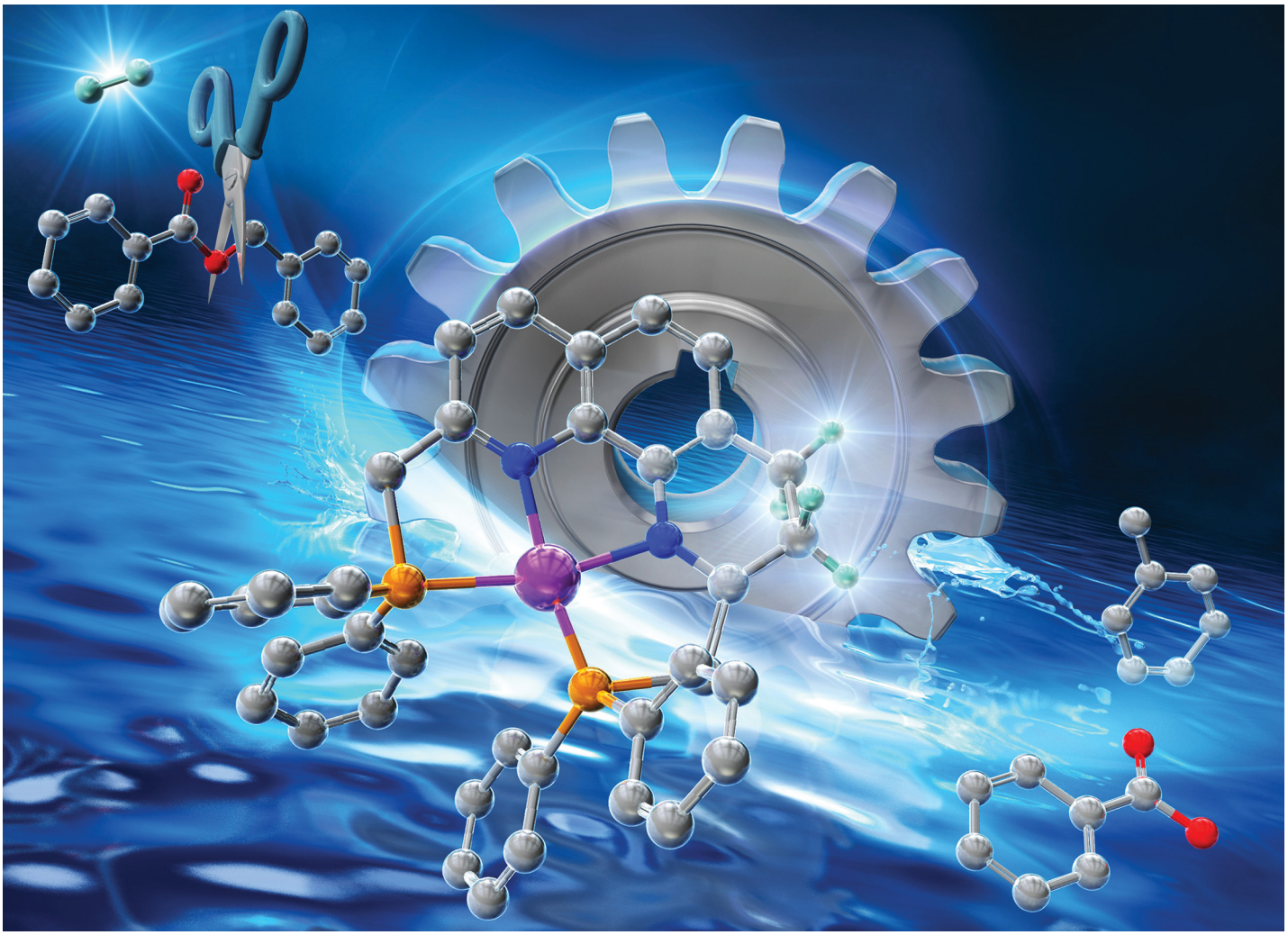
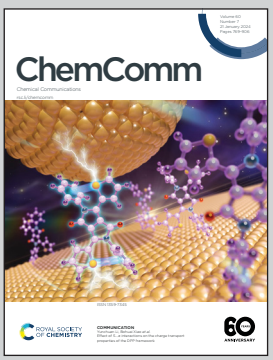


Showcasing research from Professor Nakajima's laboratory, School of Materials and Chemical Technology, Tokyo Institute of Technology, Tokyo, Japan.

Ester hydrogenolysis *via* β-C–O bond cleavage catalysed by a phenanthroline-based PNNP-cobalt(I) complex

A Co(I) catalyst bearing a phenanthroline-based PNNP ligand (2,9-bis((diphenylphosphanyl)methyl)-1,10-phenanthroline) exhibits long-range metal ligand corporation behaviour using a ligand backbone as a hydrogen reservoir and catalyses hydrogenolysis of benzyl benzoate derivatives *via* β-C–O cleavage with atmospheric pressure of H_2.

As featured in:



See Yumiko Nakajima *et al.*, *Chem. Commun.*, 2024, **60**, 823.

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