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Angewandte

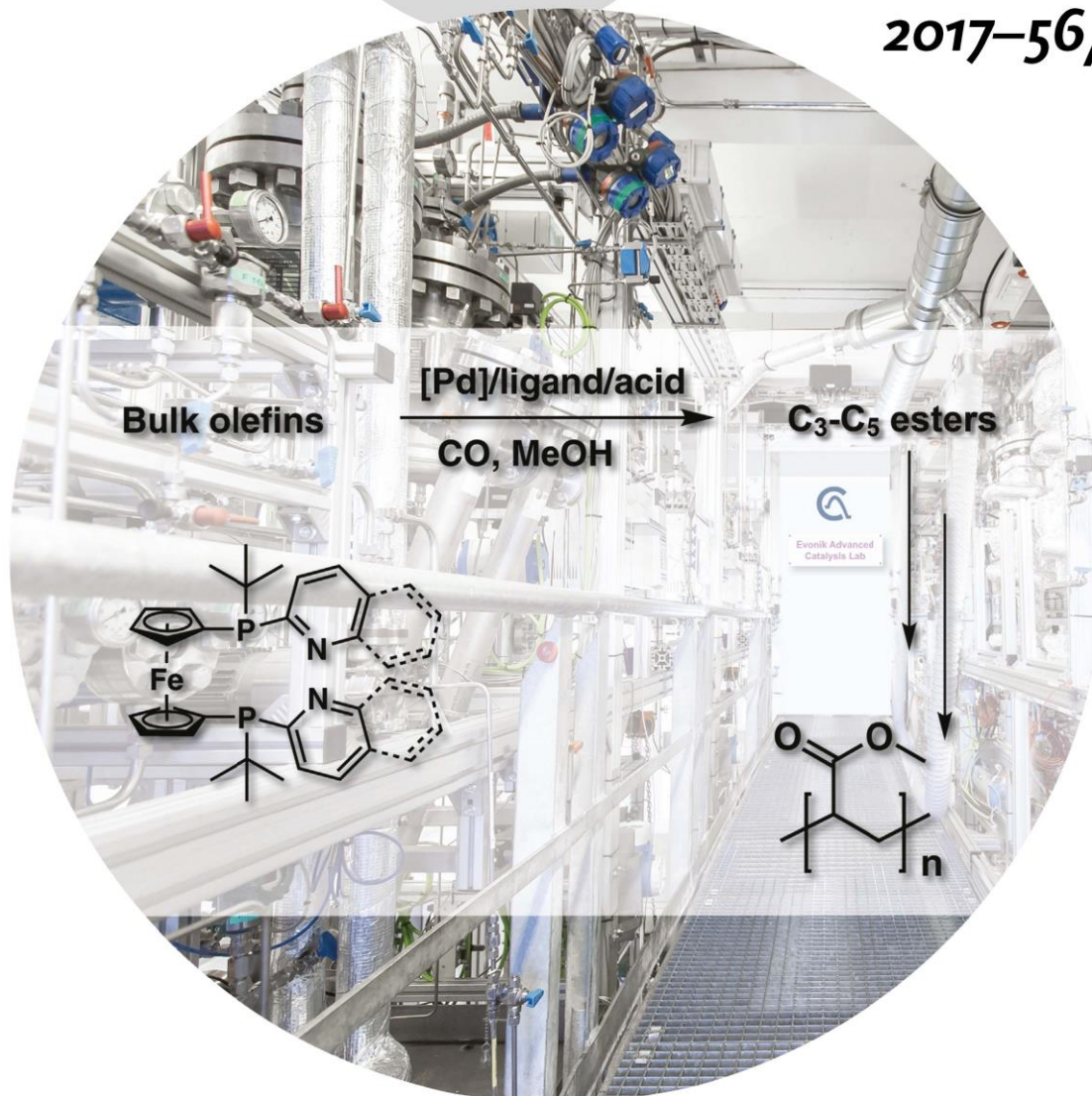
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International Edition

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Game-changing ligand design ...

... for alkene alkoxy carbonylations: In their Communication on page 5267 ff., M. Beller and co-workers present a novel class of ferrocenyl ligands for improved alkene carbonylations. These phosphines with sterically hindered and amphoteric groups on the P atoms actively take part in the catalysis. They are easily synthesized and display higher activity and durability in alkoxy carbonylations of bulk olefins under milder conditions.

150 Years
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Dong K, Sang R, Fang X, Franke R, Spannenberg A, Neumann H, Jackstell R, and **Beller M.** *ANGEWANDTE CHEMIE INTERNATIONAL EDITION*, 2017, 56, 5267-5271. Efficient Palladium-Catalyzed Alkoxy carbonylation of Bulk Industrial Olefins Using Ferrocenyl Phosphine Ligands.