Showcasing the collaborative research of Dr Yong Wang and his colleagues at Washington State University and Archer Daniels Midland Company

Beyond ketonization: selective conversion of carboxylic acids to olefins over balanced Lewis acid–base pairs

Cascade ketonization, aldolization, and self-deoxygenation on the Zn$_x$Zr$_y$O$_z$ catalysts with only Lewis acid–base functionalities provide a sustainable way to directly produce C$_3$–C$_6$ olefins for fuel and chemical production from carboxylic acids.

As featured in:
See Junming Sun, Yong Wang et al., Chem. Commun., 2016, 52, 4975.