

A Journal of the German Chemical Society

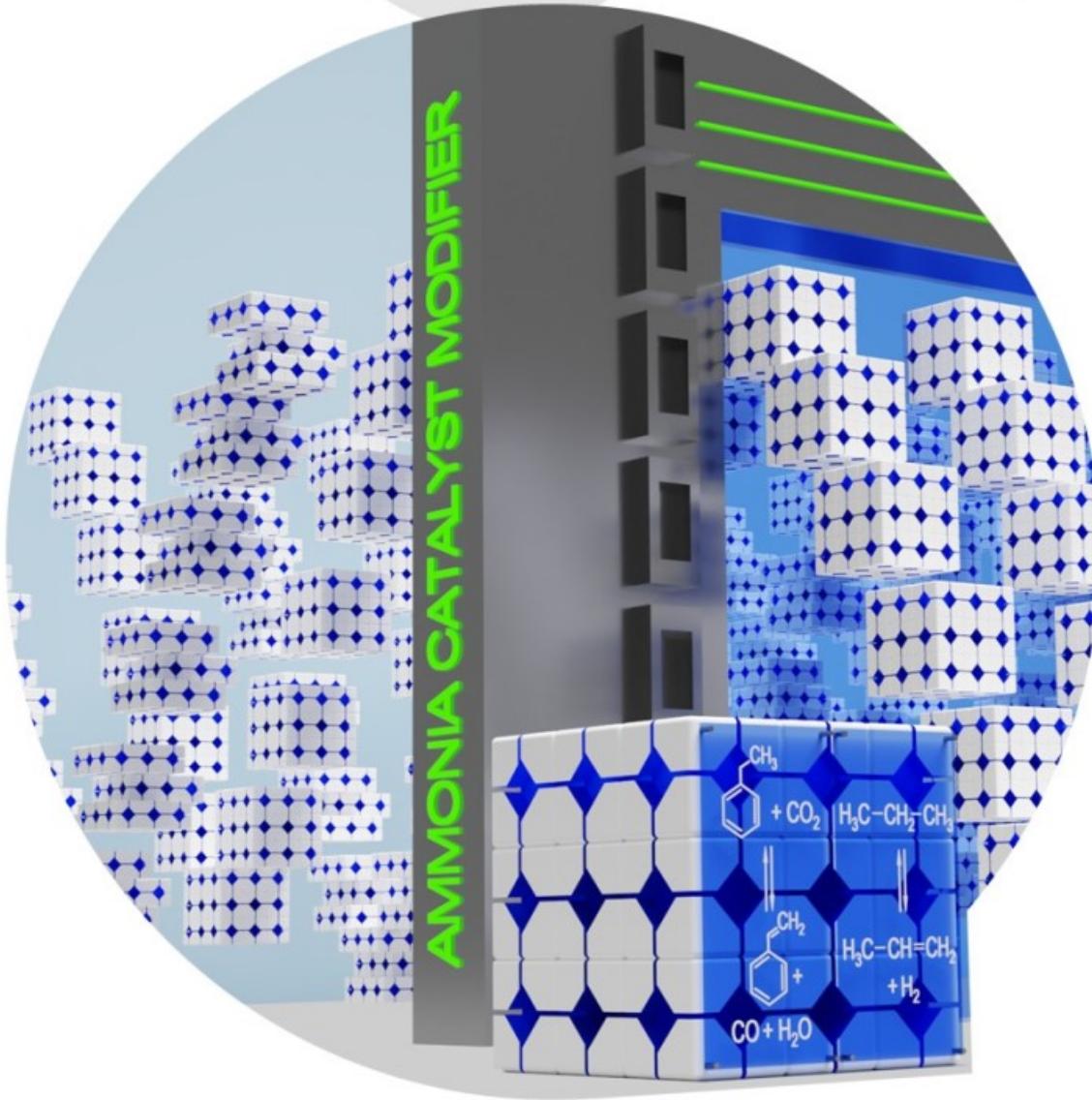
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The rational design of metal oxide catalysts is a challenge. In their Research Article (e202310062), Bingsen Zhang, Evgenii V. Kondratenko, Zhong-Wen Liu et al. report that structural properties of supported/bulk metal oxides can be controlled through catalyst post-treatment in an NH<sub>3</sub>-H<sub>2</sub>O solution because of dissolution and simultaneous precipitation of individual catalyst components. The method enables to tailor catalyst reducibility that plays a pivotal role for C–H bond activation in hydrocarbons.

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G.-Q. Yang, Y. Niu, V. A. Kondratenko, X. Yi, C. Liu, B. Zhang, E. V. Kondratenko, Z.-W. Liu, *Angew. Chem. Int. Ed.* **2023**, e202310062. (<https://doi.org/10.1002/anie.202310062>) Controlling Metal-Oxide Reducibility for Efficient C–H Bond Activation in Hydrocarbons.