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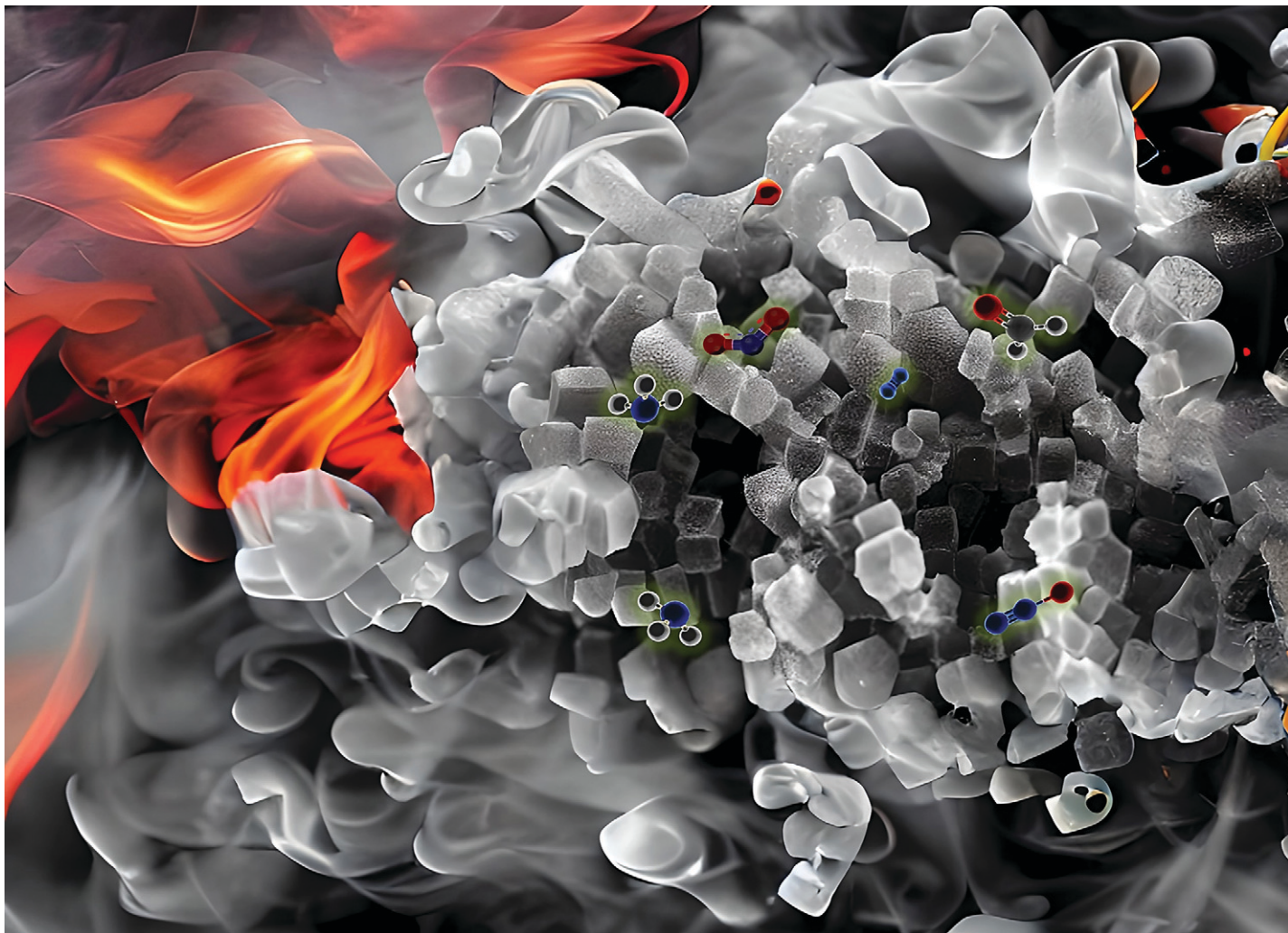
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Showcasing research from the Cluster of Excellence “*The Fuel Science Center*” at RWTH Aachen University, which investigates the production and application of innovative bio-hybrid fuels from bio-based carbon feedstocks, CO_2 , and H_2 from renewable electricity.

Impact of unintentionally formed CH_2O in oxygenated fuel exhausts on DeNO_x -SCR at different NO_2/NO_x ratios under close to real conditions

This study reports a way to convert formaldehyde emitted by internal combustion of oxygenated fuels, without forming toxic HCN and improving the DeNO_x -SCR with a high NO_2 -fraction in an exhaust aftertreatment setting. The paper combines the interdisciplinary work of mechanical engineering from the Chair of Thermodynamics of Mobile Energy Conversion Systems (TME), the Institute of Inorganic Chemistry and the Institute of Technical and Macromolecular Chemistry, within the Cluster of excellence “The Fuel Science Center” at RWTH Aachen University.

As featured in:



See Ariel A. Schönberger Alvarez *et al.*, *Catal. Sci. Technol.*, 2023, **13**, 4069.