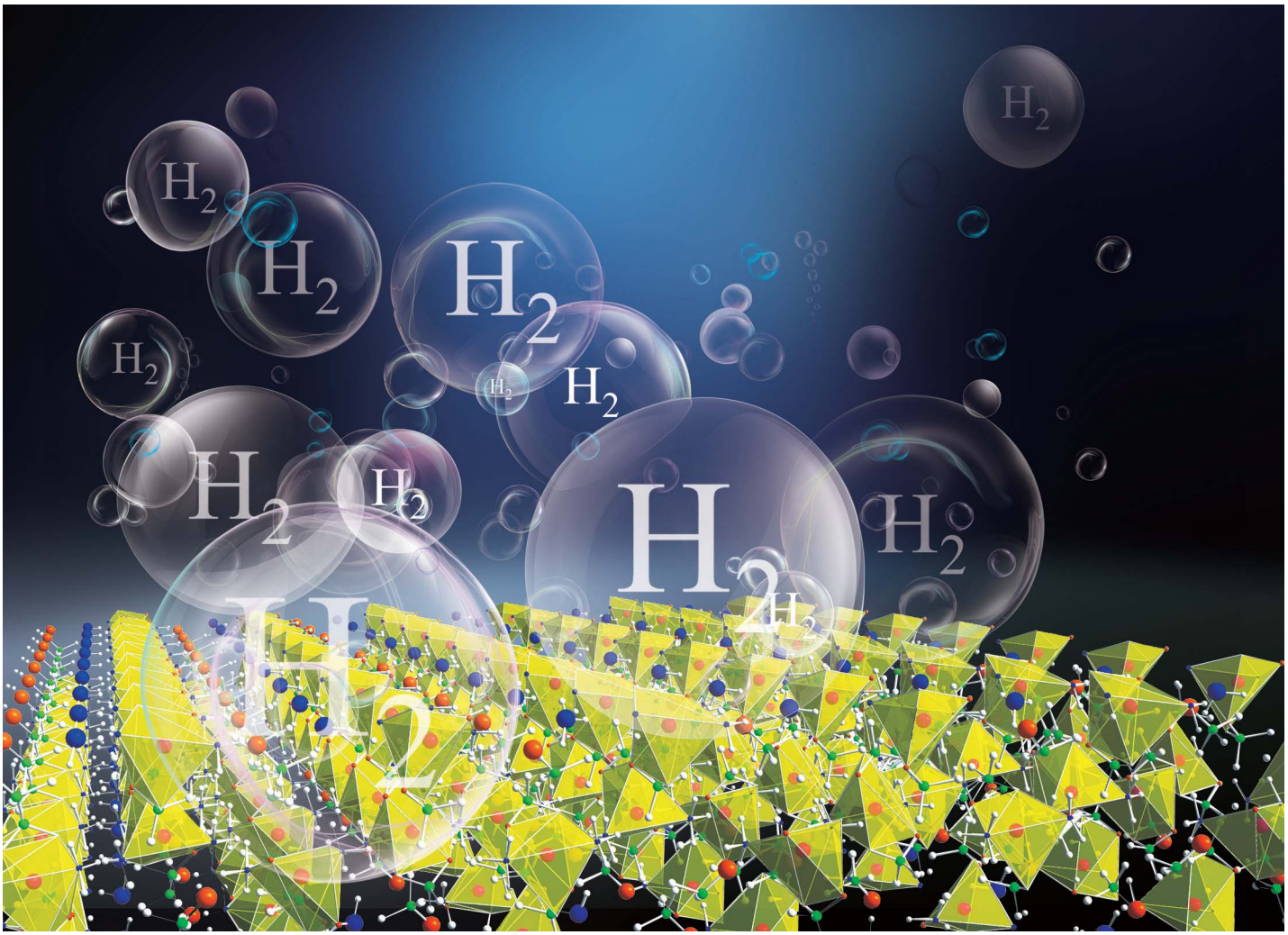

Showcasing the work on fluorine-substituted $Mg(BH_4)_2{\cdot}2NH_3$ for hydrogen storage presented by Prof. Yongfeng Liu and Prof. Hongge Pan, Department of Materials Science and Engineering, Zhejiang University.

Title: Fluorine-substituted $Mg(BH_4)_2{\cdot}2NH_3$ with improved dehydrogenation properties for hydrogen storage

F-substituted $Mg(BH_4)_2{\cdot}2NH_3$ was prepared by reacting $Mg(BH_4)_2{\cdot}2NH_3$ and $LiBF_4$ based on the structural and chemical similarity of $[BH_4]^-$ and $[BF_4]^-$ anions. The dehydrogenation properties of F-substituted $Mg(BH_4)_2{\cdot}2NH_3$ are significantly improved.

As featured in:

See Yongfeng Liu, Hongge Pan *et al.*, *J. Mater. Chem. A*, 2015, **3**, 570.

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