

# GDCh-Kolloquium im WiSe 2023/2024

## am Institut für Physik der Universität Augsburg

**22.01.2024** 17:15, Raum: T-1004  
**Prof. Dr. Carsten Streb** (Johannes Gutenberg-Universität Mainz)  
Molecular and nanostructured metal oxides for energy conversion and storage

### **Molecular and nanostructured metal oxides for energy conversion and storage**

Carsten Streb

Department of Chemistry, Johannes Gutenberg-Universität Mainz

Metal oxides are unique materials with outstanding properties for photochemical and electrochemical energy conversion and storage. This presentation will discuss how selected molecular as well as nanostructured solid-state metal oxides can be designed for light-driven hydrogen evolution or electrocatalytic water splitting and CO<sub>2</sub> activation.