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Imaging complex model catalysts in action: From surface science towards industrial practice using high-pressure scanning tunneling microscopy

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From Surface Science Towards Industrial Practice
Using High-Pressure Scanning Tunneling Microscopy

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The front cover shows an impression of a high-pressure scanning tunneling microscopy experiment at the atomic level. The ball models represent the molecules and catalyst nanoparticles present during the hydrodesulfurization reaction studied in this thesis. The back cover shows a similar impression for the oxidation of Au(111), where the depicted particle is the structure proposed for the most dense phase of Au surface oxide observed in this thesis.

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