

# 表面物理化学系列讲座 Surface Physical Chemistry Lecture Series

## Single-Atom Catalysts: An Atomic-Scale View



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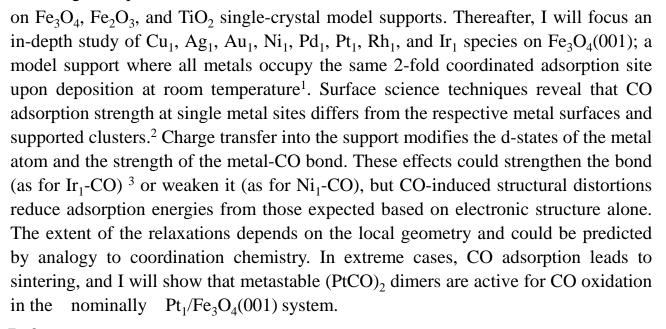
**Date** 2022.6.14, Tuesday, 15:00-17:00 (UTC+8)

Host Prof. Kai WU 吴凯

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### **Abstract**

Understanding how the local environment of a - catalyst affects stability and reactivity remains a significant challenge. In this talk, I will discuss under what circumstances single metal atoms can be stable on flat, well-ordered metal oxide surfaces, including examples from our work



#### References

- 1. R. Bliem et al., *Science* 346, 1215-1218 (2014)
- 2. J. Hulva et al., *Science* 371, 375 (2021)
- 3. Z. Jakub et al., *Angew. Chem. Int. Ed.* 58, 13961-13968 (2019).
- 4. M. Meier et al., Science Advances 8, eabn4580.(2022)