

Nano Architects



Low-dimensional Chemistry

AG Chen

Xin Chen

Team

innovative

collaborative

interdisciplinary



international

friendly

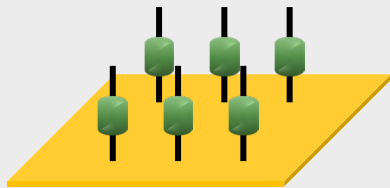
dynamic

supportive

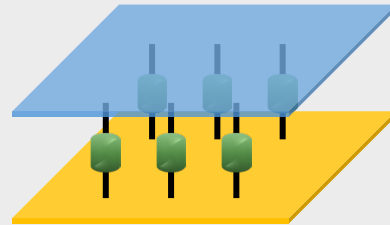


What do we research on...

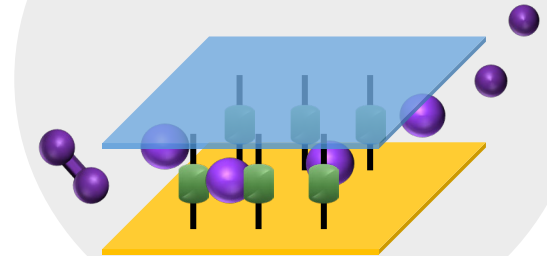
surface chemistry



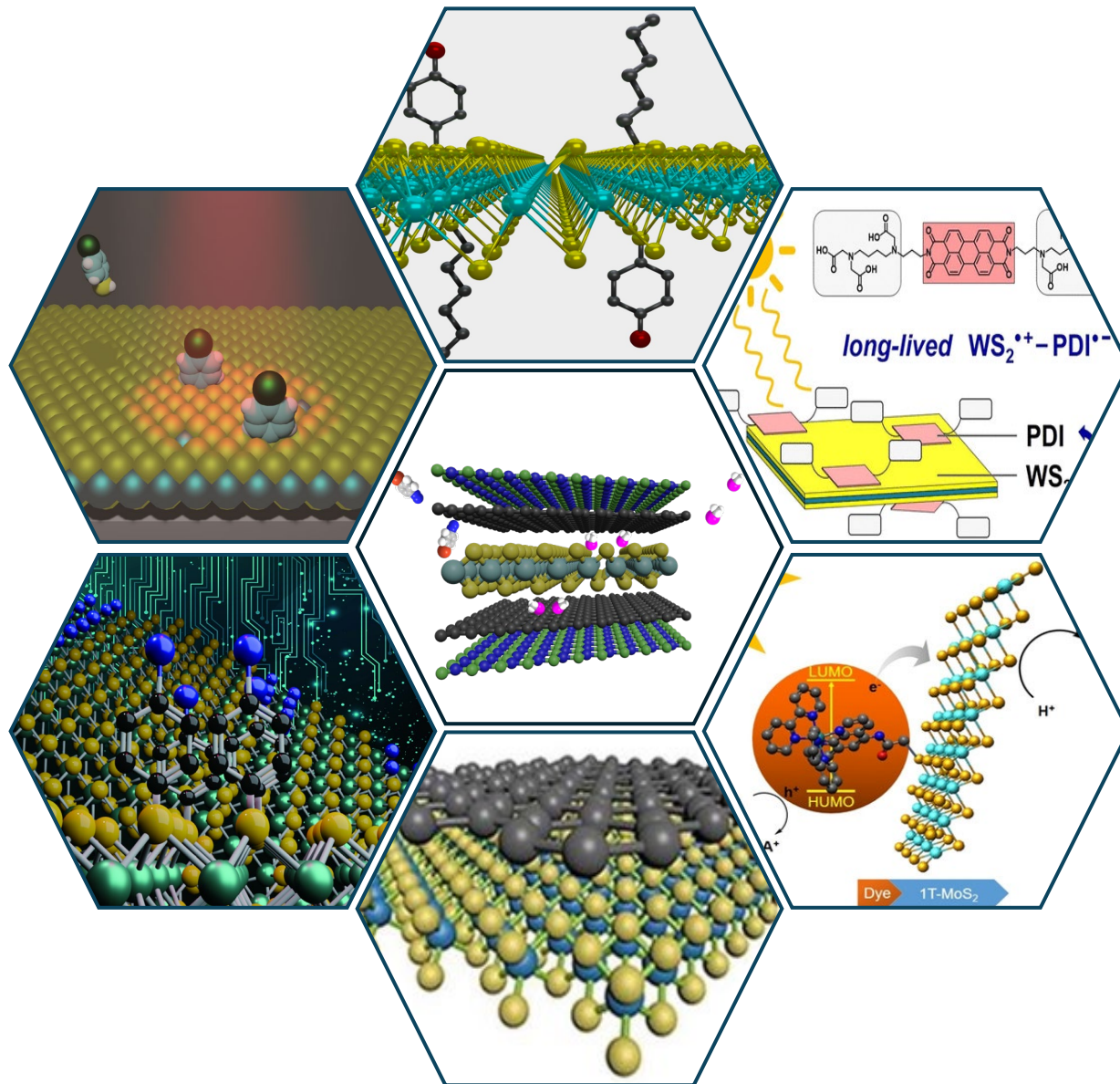
interface chemistry



confined chemistry



What have we achieved...



Surface Chemistry

Angew. Chem. Inter. Ed. **2016**, 55, 5803.

Chem. Eur. J. **2020**, 26, 6535. (**Cover Figure**)

Angew. Chem. Inter. Ed. **2015**, 54, 2638.

Chem. Eur. J. **2017**, 23, 1.

Chem. Eur. J. **2020**, 26, 1.

Phys. Rev. B **2022**, 106, 104103.

Chem. Eur. J. **2021**, 27, 1-7. (**Cover Figure**)

J. Am. Chem. Soc. **2022**, 144, 13, 5834–5840.

Chem. Eur. J. **2024**, e202403645. In press.

Interface Chemistry

J. Am. Chem. Soc. **2022**, 144, 22, 9645–9650.

Angew. Chem. Int. Ed. **2024**, e202415922. In Press.

Confined Chemistry

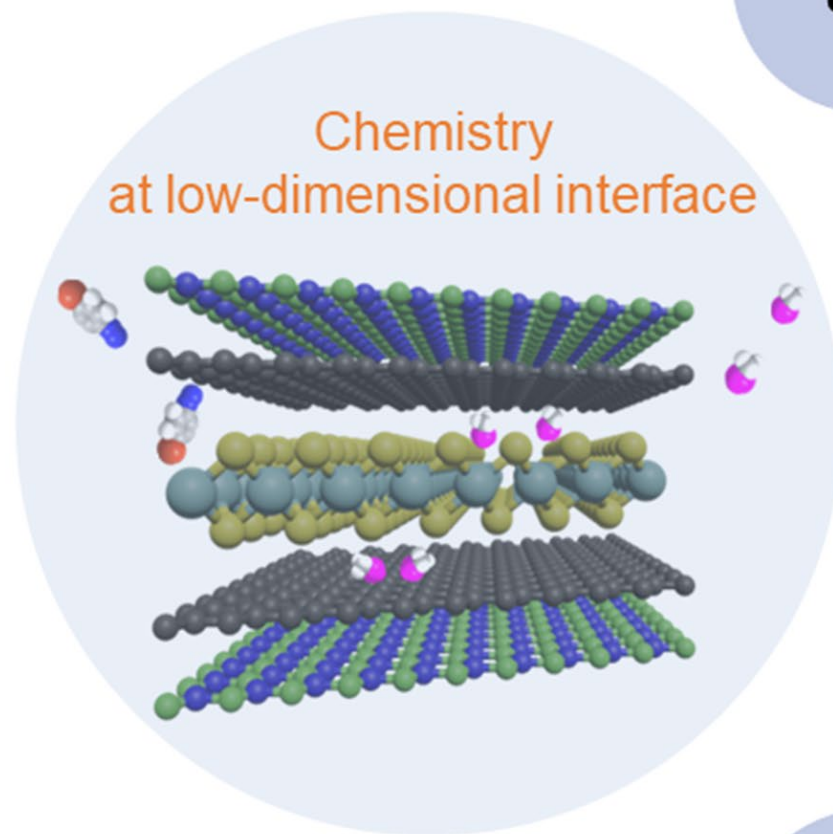
Phys. Rev. B 106, **2022**, 104103.

Chem. Mater. **2018**, 30, 6978.

Review

Adv. Mater. **2016**, 28, 5738.

**We are
looking for
expertise in**



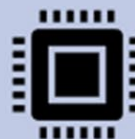
- synthetic chemistry
- physical chemistry
- nanoscience



- spectroscopy
- microscopy



- data analysis
- logical reasoning



- device fabrication
- Biological application

What do we offer...

- research internship
- bachelor's and master's thesis
- **Current: one HiWi position available in nanofabrication**

Application
CV + Academic Transcript
Cover Letter (½ max)
In one pdf
✉ xin.chen@fu-berlin.de

Stud. Beschäftigte*r (m/w/d) 41 MoStd. befristet auf 2 Jahre
Kennung: studentische*r Beschäftigte*r der NWG Chen

Bewerbungsende: 02.12.2024

Die Arbeit wird in der Gruppe „Niederdimensionale Chemie“ durchgeführt, die sich mit der Herstellung und Charakterisierung von Nanohybriden und Heterostrukturen beschäftigt. Die Forschung in unserer Gruppe verbindet Materialwissenschaft mit molekularer und supramolekularer Chemie. Zu den wichtigsten Forschungsthemen gehören: 1) Funktionalisierung von 2D-Materialien, 2) Entwurf und Herstellung von 2D-Heterostrukturen und -Hybriden und 3) dimensionsbegrenzte Chemie.

- A position with learning and growth opportunities in fully-equipped labs and cleanroom with a friendly, dynamic, and international environment.
- Professional training in material processing, advanced characterization techniques, and familiarity with the entire production cycle of cutting-edge nanotechnology, which will benefit thesis writing and future professional work.