

YIXUAN CHE

✉ yxche@mail.ustc.edu.cn • 📞 (+86) 186 0413 1596 • 🏠 <http://home.ustc.edu.cn/~zz0312>

📍 96 Jinchai Road, Hefei, Anhui 230026, China • 🆔 0000-0002-3990-6868

📄 PUBLICATIONS

5. **Che, Y.**; Lv, H.*; Wu, X.*; Yang, J. Realizing Altermagnetism in Two-Dimensional Metal-Organic Framework Semiconductors with Electric-Field-Controlled Aniso-tropic Spin Current. *Chem. Sci.* **2024**, *15*, 13853–13863.
4. Chen, W.[†]; **Che, Y.**[†]; Xia, J.; Zheng, L.; Lv, H.; Zhang, J.; Liang, H.; Meng, X.; Ma, D.; Song, W.; Wu, X.*; Cao, C.* Metal-Sulfer Interfaces as the Primary Active Sites for Catalytic Hydrogenations. *J. Am. Chem. Soc.* **2024**, *146*, 11542–11552.
3. Liang, W.[†]; **Che, Y.**[†]; Cai, Z.; Tang, R.; Ma, Z.; Zheng, X.; Wu, X.*; Li, J.*; Jin, H.*; Zhu, C.; Chen, T.* Surface Decoration Manipulating Zn²⁺/H⁺ Carrier Ratios for Hyperstable Aqueous Zinc Ion Battery Cathode. *Adv. Funct. Mater.* **2024**, *34*, 2304798.
2. Gu, Y.[†]; Liang, W.[†]; **Che, Y.**[†]; Cai, Z.; Xiao, P.; Yang, J.; Zang, R.; Wang, H.*; Wu, X.*; Chen, T.* Solvent Annealing Enabling Reconstruction of Cadmium Sulfide Film for Improved Heterojunction Quality and Photovoltaic Performance of Antimony Selenosulfide Solar Cells. *Adv. Funct. Mater.* **2024**, *34*, 2311577.
1. **Che, Y.**; Wang, D.; Lv, H.; Wu, X.* Crystal System and Space Group Prediction of Two-Dimensional Materials from Chemical Formula *via* Deep neural networks. *Mater. Today Chem.* **2023**, *33*, 101667.

Update: Oct 26, 2024