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教育经历：

2009.09 – 2013.07　临沂大学
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代表性成果：

1. S. Hou, X. Gao, S. Wang, X. Yu, J. Liao, D. Su, Precise Defect Engineering on Graphitic Carbon Nitrides for Boosted Solar H2 Production. *Small* **n/a**, 2302500 (2023).

2. S. Hou, X. Gao, X. Lv, Y. Zhao, X. Yin, Y. Liu, J. Fang, X. Yu, X. Ma, T. Ma, D. Su, Decade Milestone Advancement of Defect-Engineered g-C3N4 for Solar Catalytic Applications. *Nano-Micro Lett.* **16**, 70 (2024).

3. L. Zhang, S. Hou, T. Wang, S. Liu, X. Gao, C. Wang, G. Wang, Recent Advances in Application of Graphitic Carbon Nitride-Based Catalysts for Photocatalytic Nitrogen Fixation. *Small* **18**, 1–29 (2022).

4. S. Chen, D. Ji, Q. Chen, J. Ma, S. Hou, J. Zhang, Coordination modulation of hydrated zinc ions to enhance redox reversibility of zinc batteries. *Nat. Commun.* **14**, 3526 (2023).

5. X. Gao, N. Yang, J. Feng, J. Liao, S. Hou, X. Ma, D. Su, X. Yu, Z. Yang, J. Safaei, D. Wang, G. Wang, Defect and interface control on graphitic carbon nitrides/upconversion nanocrystals for enhanced solar hydrogen production. *Natl. Sci. Open* **2**, 20220037 (2023).

6. B. Wulan, X. Cao, D. Tan, X. Shu, J. Ma, S. Hou, J. Zhang, Atomic Bridging of Sn Single Atom with Nitrogen and Oxygen Atoms for the Selective Electrocatalytic Reduction of CO 2 . *CCS Chem.* **0**, 1–11 (2023).

7. S. Chen, Q. Chen, S. Ding, Y. Tian, J. Wang, S. Hou, J. Zhang, Rational design of carbon-based electrocatalysts for enhancing redox reactions in rechargeable metal batteries. *Nano Res.* **16**, 4246–4276 (2023).

8. X. Cao, B. Wulan, Y. Wang, J. Ma, S. Hou, J. Zhang, Atomic bismuth induced ensemble sites with indium towards highly efficient and stable electrocatalytic reduction of carbon dioxide. *Sci. Bull.* **68**, 1008–1016 (2023).