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Education:

Ph.D. Northwestern University, IL, USA, 2007

B.Sc. University of Science and Technology of China, 2002

Experience:

Associate Professor, Nanyang Technological University, 2015 - present

Assistant Professor, Nanyang Technological University, 2009 – 2015

Teaching Fellow, Nanyang Technological University, 2008

Research Areas:

Photocatalytic water splitting and CO₂ reduction

Surface plasmon driven photocatalysis

Metal-semiconductor heterostructures

Selected Publications:

1. G. H. Zhou, C. Z. Bi, X. Qian, Y. L. Chen, H. L. Liu, X. Ning, **C. Xue***, P. H. Ding*, X. Z. Wang*, X. W. Zhu*, *ACS. Catalysis*, **2025**, 15, 18, 15972–15981.
2. Y. L. Chen, M. Zheng, J. J. Sun, J. Z. Xu, C. Wu, J. Liu, L. He, S. B. Xi, S. Z. Li*, **C. Xue***, *ACS. Catalysis*, **2024**, 14, 17321-17330.
3. R. M. Fang, Z. Q. Yang*, J. J. Sun, C. X. Zhu, Y. L. Chen, Z. Q. Wang, **C. Xue***, *J. Mater. Chem. A*, **2024**, 12, 3398-3410.
4. C. D. Lv, N. Jia, Y. M. Qian, S. P. Wang, X. C. Wang, W. Yu, C. T. Liu, H. G. Pan, Q. Zhu, J. W. Xu, X. T. Tao, K. P. Loh, **C. Xue***, Q. Y. Yan*, *Small* **2023**, 19, 2205959.
5. C. D. Lv, J. W. Liu, C. Lee, Q. Zhu, J. W. Xu, H. Pan, **C. Xue***, Q. Y. Yan*, *ACS Nano*, **2022**, 16, 15512-15527.
6. L. Zeng, J. W. Chen, L. X. Zhong, W. L. Zhen, Y. Y. Tay, S. Z. Li, Y. G. Wang, L. M. Huang, **C. Xue***, *Appl. Catal. B: Environ.* **2022**, 307, 121154.
7. W. L. Zhen, J. J. Sun, X. F. Ning, X. Y. Shi, **C. Xue***, *Appl. Catal. B: Environ.* **2021**, 298, 120568.
8. D. Liu, **C. Xue***, *Adv. Mater.* **2021**, 33, 2005738.