

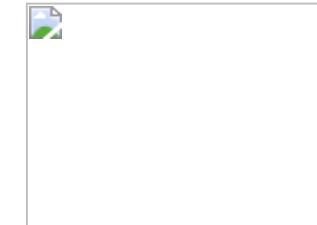


姓名

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学历/学位

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主讲课程 配位化学，工业分析，无机及分析化学，化学与生物传感

科研方向：无机纳米材料可控合成及电子结构优化调控；功能纳米材料电催化、光电催化及非均相催化性能研究。

主持项目

1.济南大学高层次人才项目

科研成果及奖励（包括项目、专利、  
鉴定等）（2005年以来）：2.国家自然科学基金委项目，“过渡金属硫化物电子结构的调控与电催化析氢性能的研究”

3.山东省自然科学基金，“二硫化钼电子结构调控及电催化析氢性能研究”

4.博士后基金面上项目，“3d过渡金属硫化物电子结构与电催化析氢性能的调控研究”

5.博士后基金特别资助，“二硫化钼表/界面调控及其电催化分解水性能研究”

教学成果与奖励（2005年以来）：1.主持校级教研项目一项，“BOPPPS教学模式在提升学生综合实践技能中的应用研究——以工业分析课程为例”

代表性论文（2005年以来）：  
1. Yuqiao Guo#, Haitao Deng#, **Xu Sun#**, Xiuling Li, Jiyin Zhao, Junchi Wu, Wangsheng Chu, Sijia Zhang, Haibin Pan, Xusheng Zheng, Xiaojun Wu,\* Changqing Jin,\* Changzheng Wu,\* Yi Xie, Modulation of Metal and Insulator States in 2D Ferromagnetic VS<sub>2</sub> by van der Waals Interaction Engineering, *Advanced Materials*, 2017, 10.1002/adma.201700715.

2. **Xu Sun**, Lingfeng Gao, Chengying Guo, Yong Zhang, Xuan Kuang, Tao Yan, Lei Ji, Qin Wei\*, Sulfur Incorporated CoFe<sub>2</sub>O<sub>4</sub>/Multiwalled Carbon Nanotubes toward Enhanced Oxygen Evolution Reaction, *Electrochimica Acta*, 2017, 247, 843-850.

3.Y. Liu, Y. Zhang, D. Wu, D. Fan, X. Pang, Y. Zhang, H. Ma, **X. Sun**<sup>\*</sup>, Q. Wei<sup>\*</sup>, Visible-light driven photoelectrochemical immunosensor for insulin detection based on MWCNT@SnS<sub>2</sub>@CdS nanocomposites, *Biosens Bioelectron*, 2016, 86, 301-307.

4. **X. Sun**, H. Deng, W. Zhu, Z. Yu, C. Wu<sup>\*</sup> and Y. Xie, Interface Engineering in Two-Dimensional Heterostructures: Towards an Advanced Catalyst for Ullmann Couplings, *Angew. Chem. Int. Ed.*, 2016, 55 (5), 1704-1709.

5. **X. Sun**, Y. Guo, C. Wu and Y. Xie, Hydric Effect in Inorganic Nanomaterials for Nanoelectronics and Energy Applications, *Adv. Mater.*, 2015, 27 (26), 3850-3867.

6. **X. Sun**,<sup>†</sup> T. Yao,<sup>†</sup> Z. Hu, Y. Guo, Q. Liu, S. Wei<sup>\*</sup> and C. Wu<sup>\*</sup>, In-situ Unravelling Structural Modulation across Charge-Density-Wave Transition in Vanadium Disulfide, *Phys. Chem. Chem. Phys.*, 2015, 17, 13333-13339.

7. **X. Sun**, J. Dai, Y. Guo, C. Wu<sup>\*</sup>, F. Hu, J. Zhao, X. Zeng and Y. Xie, Semimetallic molybdenum disulfide ultrathin nanosheets as an efficient electrocatalyst for hydrogen evolution, *Nanoscale*, 2014, 6, 8359–8367.

8. 孙旭, 郭宇桥, 彭旭, 吴长征<sup>\*</sup>, 谢毅, 低维无机功能材料的氢化调控研究,中国科学: 化学, 2013, 12, 1736.

9. J. Feng, **Xu Sun**, C. Wu<sup>\*</sup>, L. Peng, C. Lin, S. Hu, J. Yang and Y. Xie<sup>\*</sup>, Metallic Few-layered VS<sub>2</sub> Ultrathin Nanosheets: High Two-Dimensional Conductivity for In-Plane Supercapacitors, *J. Am. Chem. Soc.*, 2011, 133, 17832-17838.

10. J. Xie, **X. Sun**, N. Zhang, K. Xu, M. Zhou and Y. Xie<sup>\*</sup>, Layer-by-layer  $\beta$ -Ni(OH)<sub>2</sub>/graphene nanohybrids for ultraflexible all-solid-state thin-film supercapacitors with high electrochemical performance, *Nano Energy*, 2013, 2, 65-74.

11. H. Zhu, X. Qin, **X. Sun**, W. Yan, J. Yang<sup>\*</sup> and Y. Xie<sup>\*</sup>, Rocking-Chair Configuration in Ultrathin Lithium Vanadate-Graphene Hybrid Nanosheets for Electrical Modulation, *Sci. Rep.*, 2013, 3, 1246.

12. J. Feng, L. Peng, C. Wu<sup>\*</sup>, **X. Sun**, S. Hu, C. Lin, J. Dai, J. Yang and Y. Xie<sup>\*</sup>, Giant Moisture Responsiveness of VS<sub>2</sub> Ultrathin Nanosheets for Novel Touchless Positioning Interface, *Adv. Mater.*, 2012, 24, 1969-1974.
13. J. Xie, H. Zhang, S. Li, R. Wang, **X. Sun**, M. Zhou, J. Zhou, X. Lou<sup>\*</sup>(David) and Y. Xie<sup>\*</sup>, Defect-rich MoS<sub>2</sub> ultrathin nanosheets with additional active edge sites for enhanced electrocatalytic hydrogen evolution, *Adv. Mater.*, 2013, 25, 5807-5813.

友情链接 : 中国科学院化学研究所 中国化学会 有机化学网

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