沈晓凤个人简介

1. 基本信息：

沈晓凤，女，出生于 1991 年 1 月，博士，浙江科技学院环境与资源学院讲师。

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2. 学习和工作简历：

2019.06-今浙江科技学院，讲师

2014.09-2019.06 东华大学，博士研究生

2010.09-2014.06 山东师范大学，本科

3. 研究方向：

（1）高级氧化技术；

（2）柔性半导体滤膜状光催化剂的制备及其在流动废水处理中的研究；

（3）光催化降解水体中有机物和还原重金属及机理的研究；

（4）吸附-光催化协同处理重金属和有机污染物；

（5）废弃生物质的资源化利用。

4. 取得的研究成果：

至 2020 年 9 月，以第一作者或者通讯作者身份在 Applied Catalysis B: Environmental、Journal of Hazardous Materials、Separation and Purification Technology、Journal of Colloid and Interface Science、ChemCatChem 等国际知名期刊累计发表 SCI 论文 9 篇。

5. 主持项目：

[1] 国家自然科学基金-青年基金，24 万，2021.01-2023.12，活性炭/半导体平板的构筑及其在光催化净化流动废水中的应用，在研。

6. 第一或通讯作者代表性论文：

[1] **X. Shen,** Y. Zhang, Z. Shi, S. Shan, J. Liu, L. Zhang, Construction of C_3N_4/CdS nanojunctions on carbon fiber cloth as a filter-membrane-shaped photocatalyst for degrading flowing wastewater, ***J. Alloy. Compd.***, 2021, 851, 156743. (**SCI:二区**)

[2] **X. Shen**, J. Yang, T. Zheng, Q. Wang, H. Zhuang, R. Zheng, S. Shan, S. Li, Plasmonic p-n heterojunction of Ag/Ag_2S/Ag_2MoO_4 with enhanced Vis-NIR

photocatalytic activity for purifying wastewater, ***Sep. Purif. Technol.,*** 2020, 251, 117347. (**SCI:**一区)

[3] **X. Shen**, T. Zheng, J. Yang, Zhun Shi, Q Xue, W. Liu, S. Shan, M. Wong, Removal of Cr(VI) from acid wastewater by BC/$ZnFe_2O_4$ magnetic nanocomposite via the synergy of absorption-photocatalysis, ChemCatChem, 2020, 12, 4121-4131. (**SCI:**二区)

[4] **X. Shen**, Y. Zhang, G.·Duoerkun, Z. Shi, J. Liu, Z. Chen, P. Wong, L. Zhang, Vis-NIR light-responsive photocatalytic activity of C_3N_4-Ag-Ag_2O heterojunction-decorated carbon-fiber cloth as efficient filter-membrane-shaped photocatalyst, ***ChemCatChem***, 2019, 11, 1-13. (**IF: 4.674, SCI:**二区)

[5] **X. Shen**, L. Song, L. Luo, Y. Zhang, B. Zhu, J. Liu, Z. Chen, L. Zhang, Preparation of TiO_2/C_3N_4 heterojunctions on carbon-fiber cloth as efficient filter-membrane-shaped photocatalyst for removing various pollutants from the flowing wastewater, ***J. Colloid Interface Sci.***, 2018, 532, 798-807. (**IF: 5.091, SCI:**二区)

[6] **X. Shen**, T. Zhang, P. Xu, L. Zhang, J. Liu, Z. Chen, Growth of C_3N_4 nanosheets on carbon-fiber cloth as flexible and macroscale filter-membrane-shaped photocatalyst for degrading the flowing wastewater, ***Appl. Catal. B: Environ.***, 2017, 219, 425-431. (**IF: 11.698, SCI:**一区)

[7] Y. Jin[#], **X. Shen[#]**, Z. Liu, Z. Wang, B. Zhu, P. Xu, L. Luo, L. Zhang, Synthesis of $NiTiO_3$-Bi_2MoO_6 core-shell fiber-shaped heterojunctions as efficient and easily recyclable photocatalysts, ***New J. Chem.***, 2018, 42, 411-419. (**SCI:**三区)

[8] Q. Tian[#], **X. Shen[#]**, Z. Wang, N. Yu, Z. Chen, L. Zhang, Growth of Cu_2O Spherical Superstructures on g-C_3N_4 as Efficient Visible-Light-Driven p-n Heterojunction Photocatalysts for Degrading Various Organic Pollutants, ***J. Nanosci. Nanotechnol.***, 2018, 18, 1-8. (**SCI:**三区)

[9] Y. Chang[#], Z. Liu[#], **X. Shen[#]**, B. Zhu, D. Macharia, Z. Chen, L. Zhang, Synthesis of Au nanoparticle-decorated carbon nitride nanorods with plasmon-enhanced photoabsorption and photocatalytic activity for degrading organic pollutant, ***J. Hazard. Mater.***, 2017, 344, 1188-1197. (**SCI:**一区)