

Article

Bacteria-Identifiable 2D Violet Phosphorene-Based Nanosystems for Sepsis Diagnosis and Blood Disinfection

Qiudi Shen ¹, Zhihao Li ², Xuwen Zhao ³, Jing Kang ^{1,*}, Jinying Zhang ^{3,*} and Alideertu Dong ^{1,*}

¹ College of Chemistry and Chemical Engineering, Engineering Research Center of Dairy Quality and Safety Control Technology, Ministry of Education, Inner Mongolia University, 235 University West Street, Hohhot 010021, China

² Department of Chemistry, College of Sciences, Northeastern University, Shenyang 110819, China

³ State Key Laboratory of Electrical Insulation and Power Equipment, Center of Nanomaterials for Renewable Energy (CNRE), School of Electrical Engineering, Xi'an Jiaotong University, Xi'an 710049, China

* Correspondence: dongali@imu.edu.cn

How To Cite: Shen, Q.; Li, Z.; Zhao, X.; et al. Bacteria-Identifiable 2D Violet Phosphorene-Based Nanosystems for Sepsis Diagnosis and Blood Disinfection. *Advanced Antibacterial Materials* **2025**, *1*(1), 16–26. <https://doi.org/10.53941/aam.2026.100002>

Supporting Materials

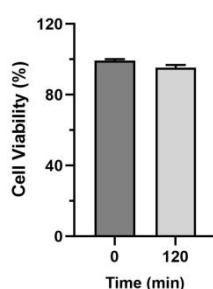


Figure S1. The cell viability of cell under LED white light for 0 min and 120 min.

