

The PPy/MoS₂ core-shell heterojunction modified by carbon dot has high photocatalytic antibacterial performance

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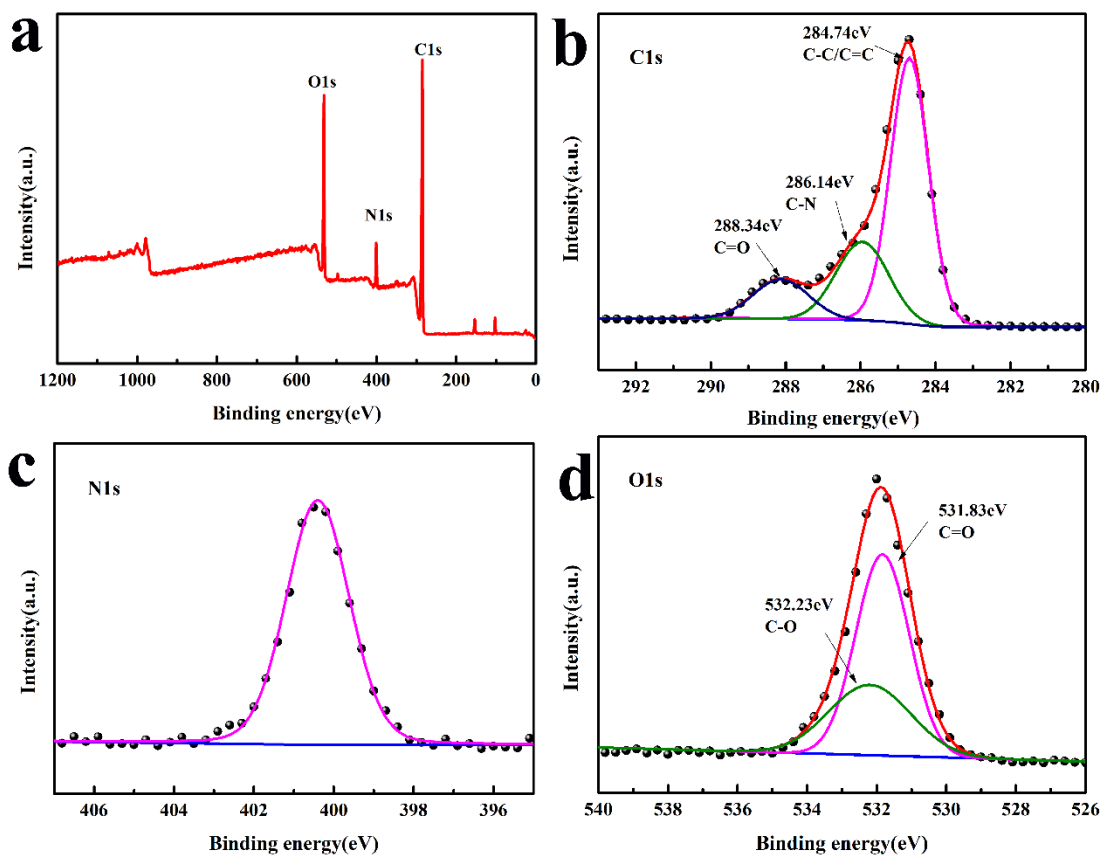


Fig. S1. XPS spectrum of CQDs: (a) full spectrum; (b) C1s spectrum; (c) N1s spectrum; (d) O1s spectrum

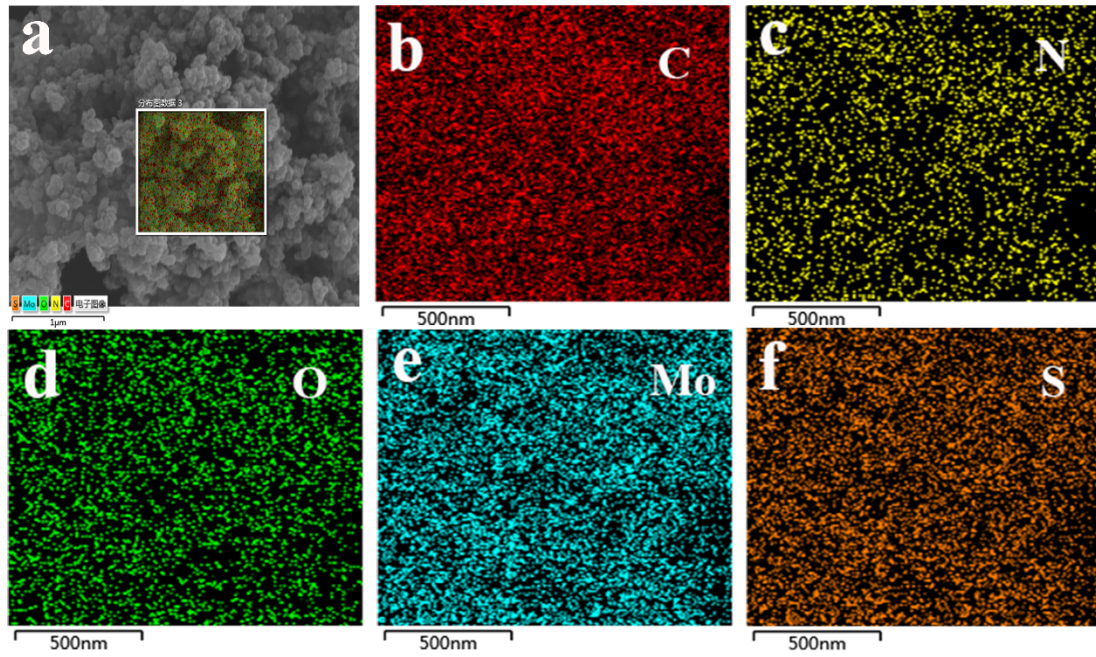


Fig. S2. (a) SEM image of PPy/MoS₂/CQDs nanocomposite, EDS element map: (b) C element, (c) N element, (d) element, (e) Mo element, (f) S element

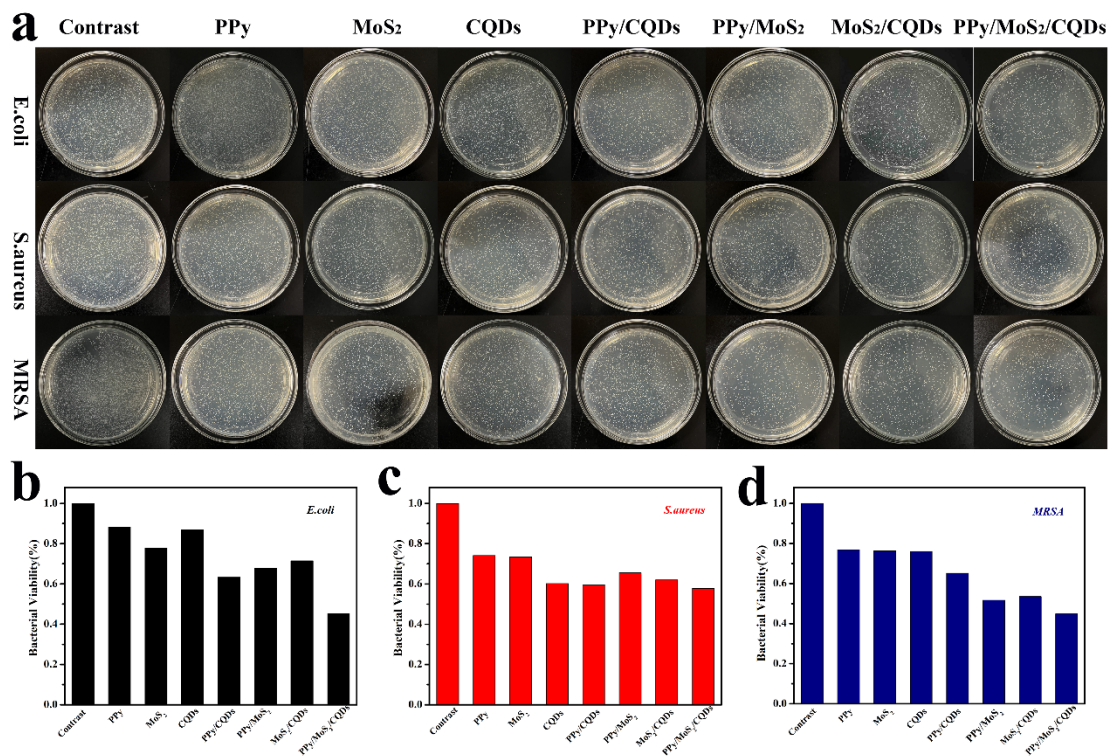


Fig. S3. (a) Comparison of in vitro antibacterial activities of different materials against Escherichia coli, Staphylococcus aureus and Methicillin-resistant Staphylococcus aureus under dark conditions, (b) Survival rate of E.coli under different materials, (a) Survival rate of S.aureus under different materials, (c) Survival rate of MRSA under different materials