



Article

LDH/MXene Synergistic Carrier Separation Effects to Improve the Photoelectric Catalytic Activities of Bi₂WO₆ Nanosheet Arrays

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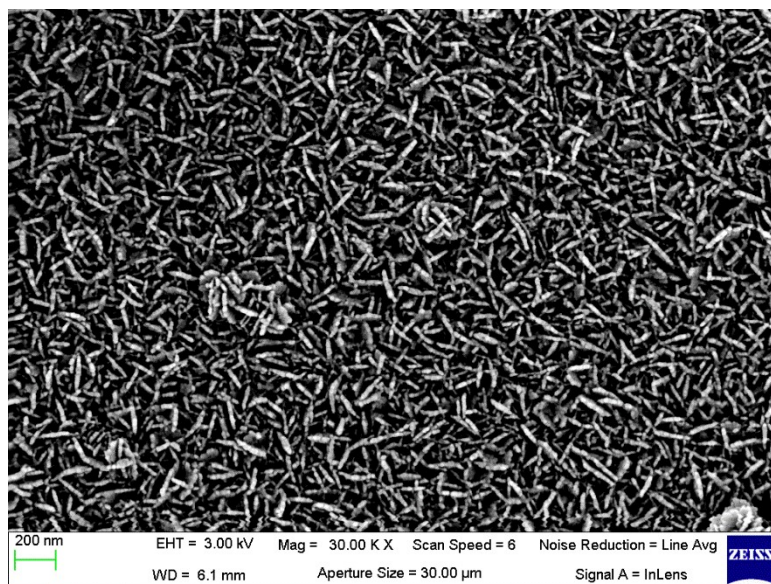


Figure S1. SEM image of Bi₂WO₆ NAs.

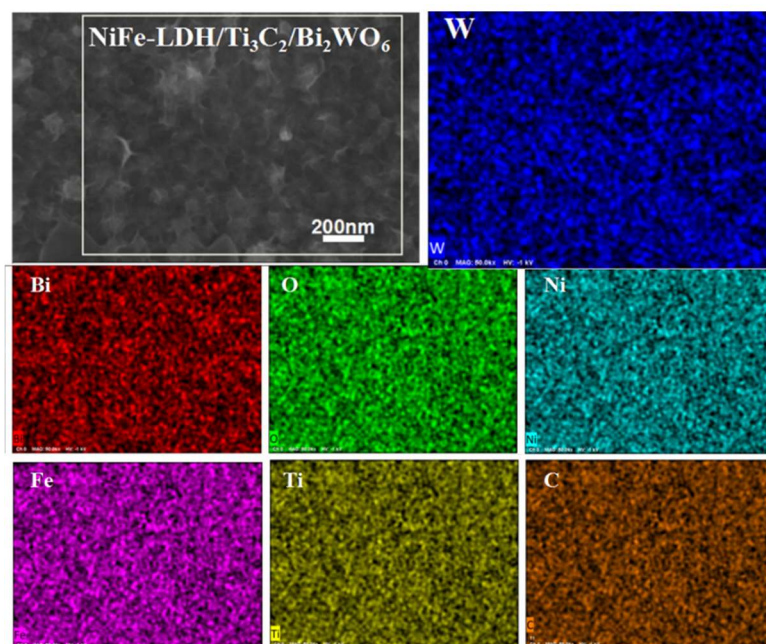


Figure S2. EDX mapping of NiFe-LDH/Ti₃C₂/Bi₂WO₆ NAs.

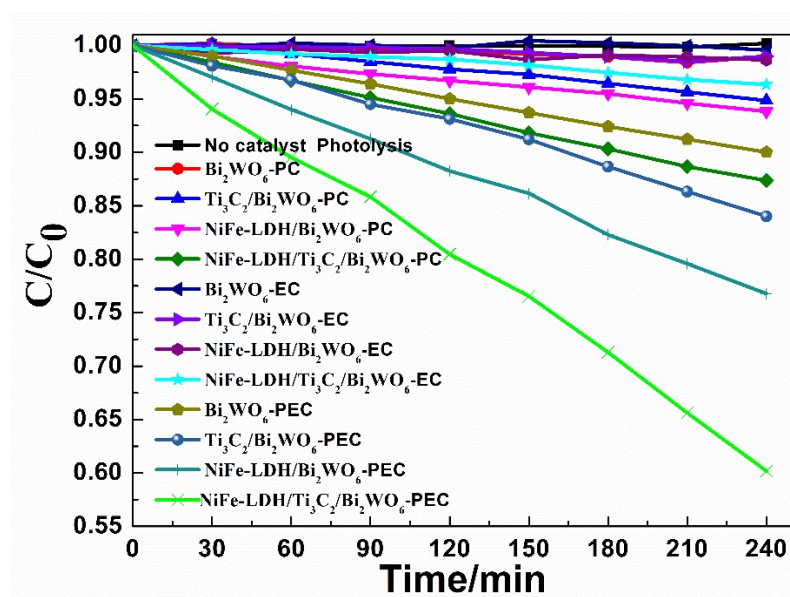


Figure S3. Comparison of EC, PC, and PEC degradation rates over Bi₂WO₆ NAs, NiFe-LDH/Bi₂WO₆ NAs, Ti₃C₂/Bi₂WO₆ NAs and NiFe-LDH/Ti₃C₂/Bi₂WO₆ NAs ($\lambda \geq 420\text{nm}$, external potential= 1.0 V).

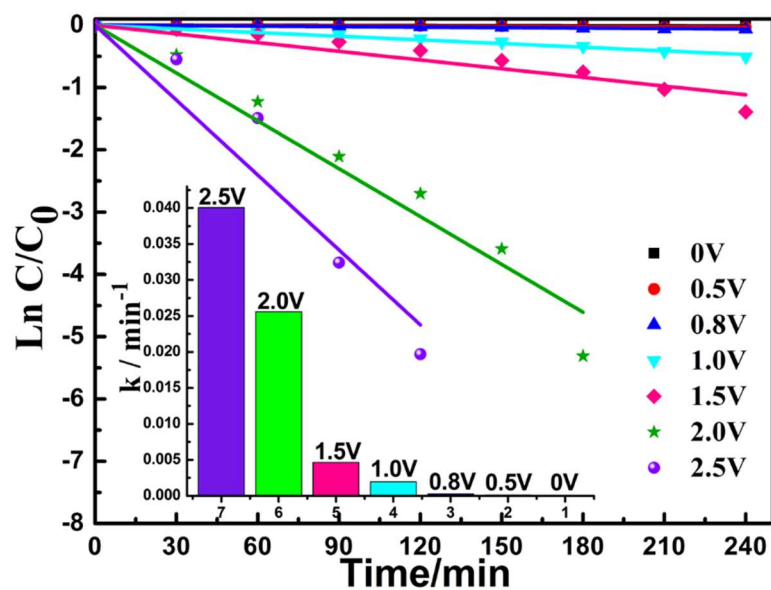


Figure S4. Comparison of the PEC degradation rate of BPA over NiFe-LDH/Ti₃C₂/Bi₂WO₆ NAs at different bias voltage ($\lambda \geq 420$ nm).

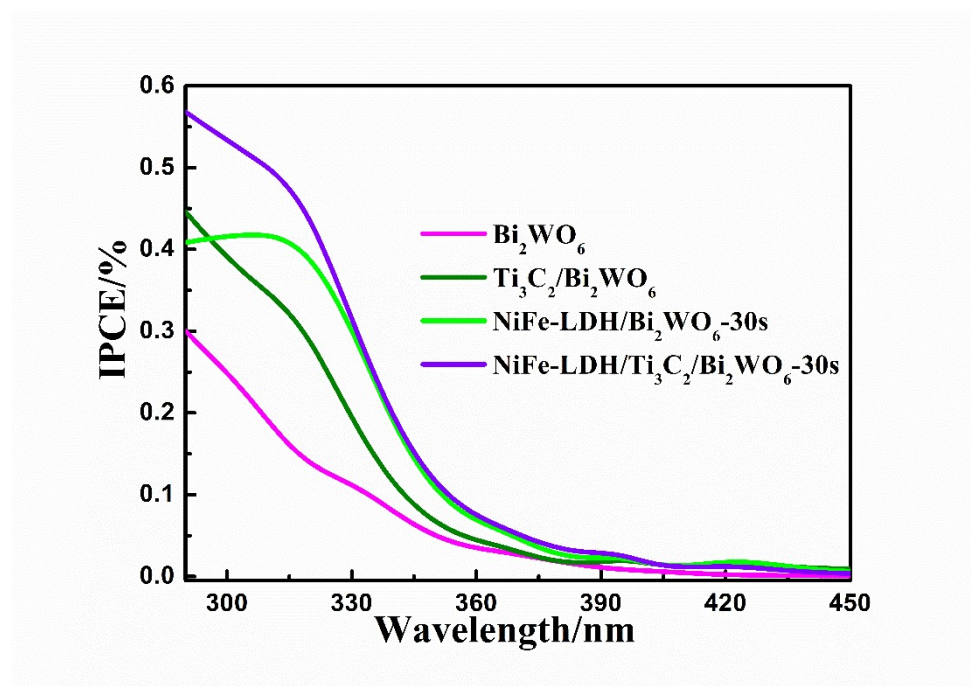


Figure S5. Photoelectric conversion efficiency of Bi₂WO₆ NAs, NiFe-LDH/Bi₂WO₆ NAs, Ti₃C₂/Bi₂WO₆ NAs, and NiFe-LDH/Ti₃C₂/Bi₂WO₆ NAs.