

BiFeO₃ Photocathode for Efficient H₂O₂ Production via Charge Carrier Dynamics Engineering

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Supporting Figures:

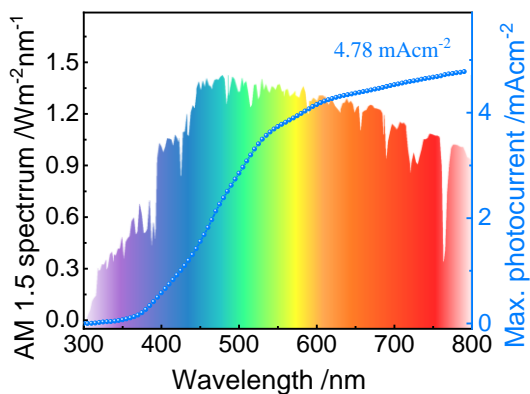


Fig. S1. The theoretical max photocurrent for BFO based photoelectrode.

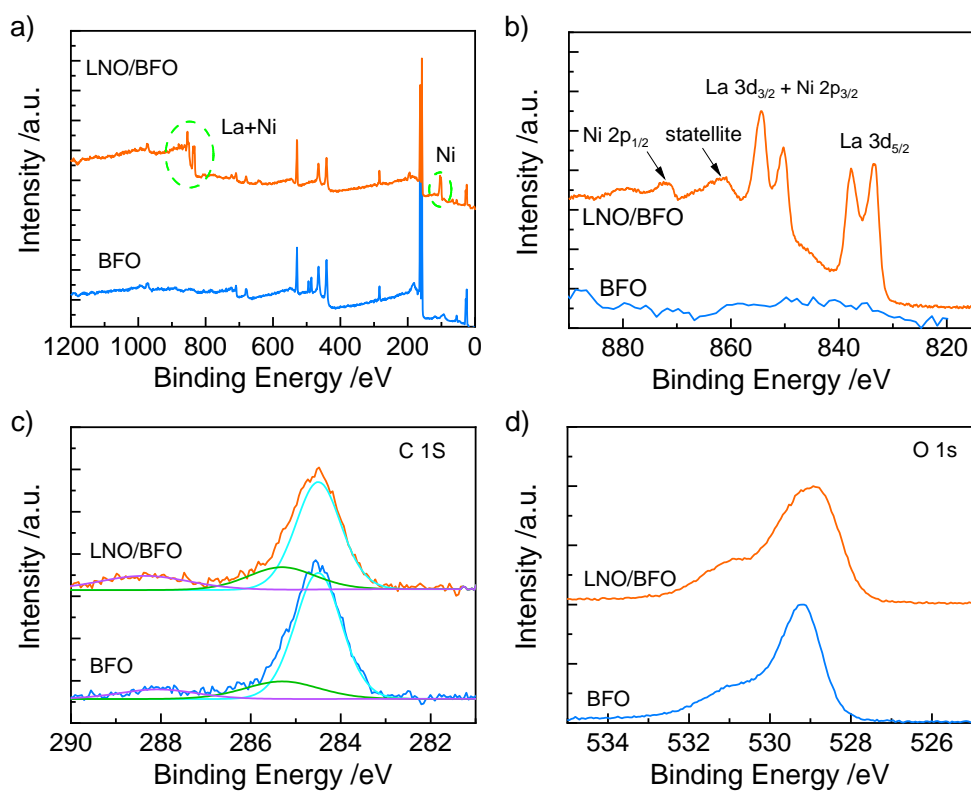


Fig. S2. Survey spectra (a), La 3d and Ni 2p core-level spectra (b), C 1s spectra (c), and O 1s spectra of BFO and LNO/BFO thin film

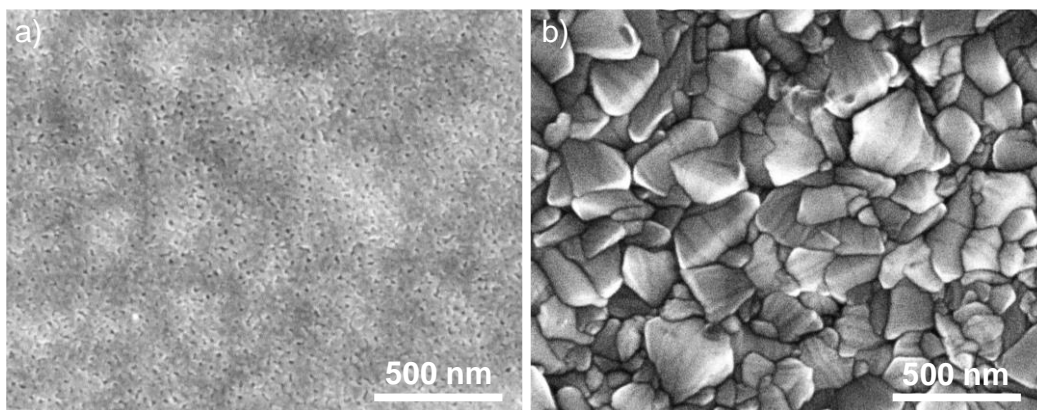


Fig. S3. SEM images of FTO:LNO and FTO.

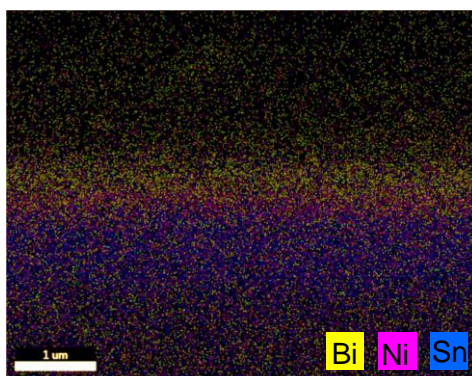


Fig. S4. The cross-section EDX map of LNO/BFO composite film.

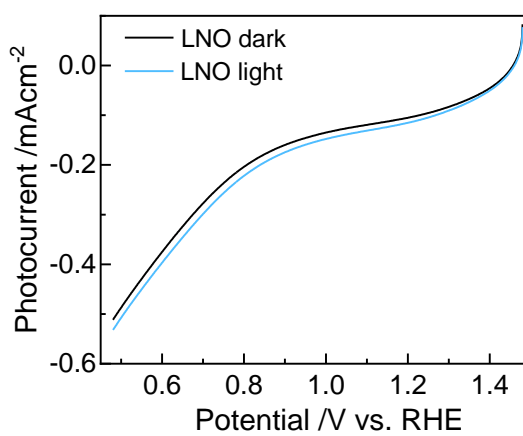


Fig. S5. J-V response of LNO film on FTO substrate.

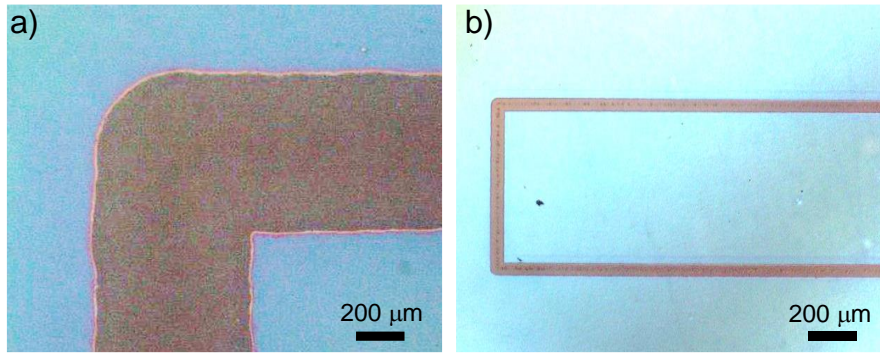


Fig. S6. The optical image of laser-cut FTO substrate.

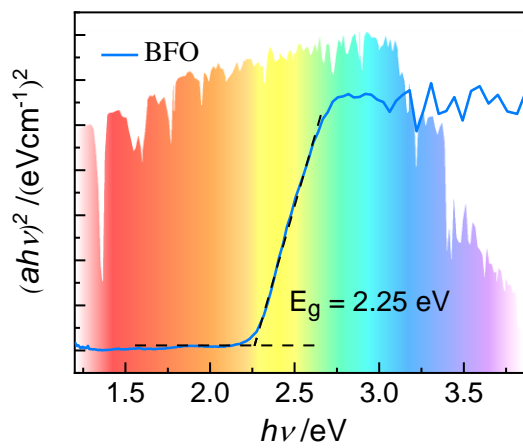


Fig. S7. The tauc plot of BFO film.

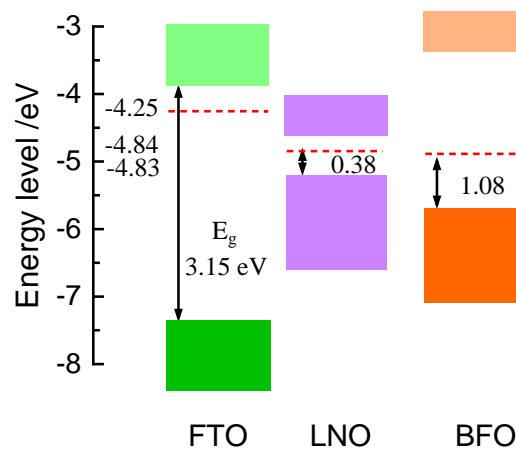


Fig. S8. The band energy diagram of FTO, LNO and BFO before equilibrium.