

Supplementary Information:

Fig.S1 SEM images of samples (pH 7.0) annealed at (a) 400, (b) 500, (c) 550, and (d) 600°C for 12 h

Fig.S2 UV-Vis absorbance spectra of thick $\text{CaBi}_6\text{O}_{10}$ NPs films with different thickness obtained at 600 °C for 12 h

Fig.S3 Electrochemical impedance spectroscopy of as-prepared thick $\text{CaBi}_6\text{O}_{10}$ NPs for 5 cycles, 10 cycles, 15 cycles, and 20 cycles at 600 °C for 12 h

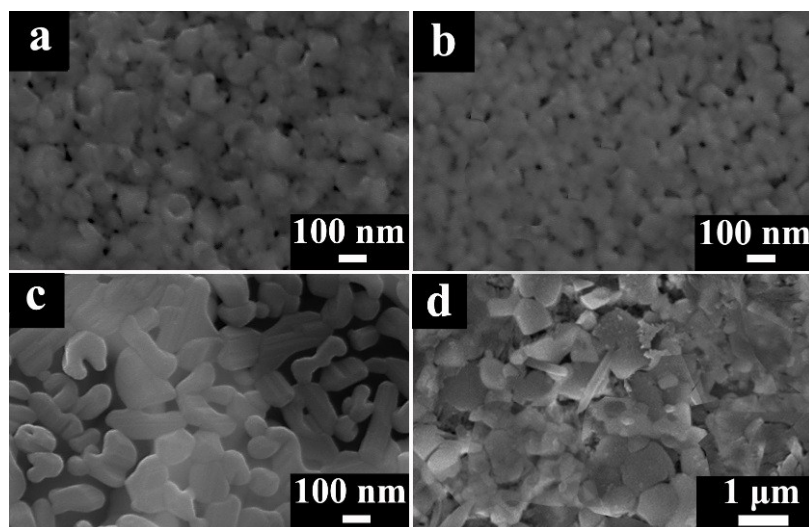


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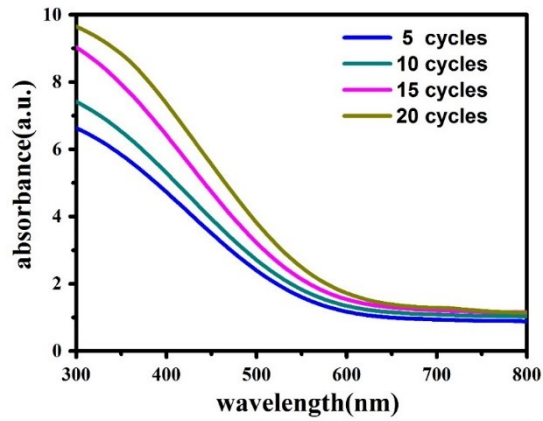


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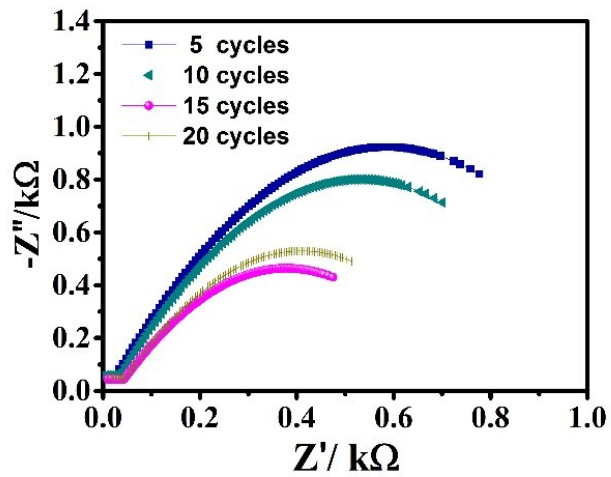


Fig.S3 Electrochemical impedance spectroscopy of as-prepared thick $\text{CaBi}_6\text{O}_{10}$ NPs for 5 cycles, 10 cycles, 15 cycles, and 20 cycles at $600\text{ }^\circ\text{C}$ for 12 h