

Supplementary Materials: Surface Modification of a Nanoporous Carbon Photoanode upon Irradiation

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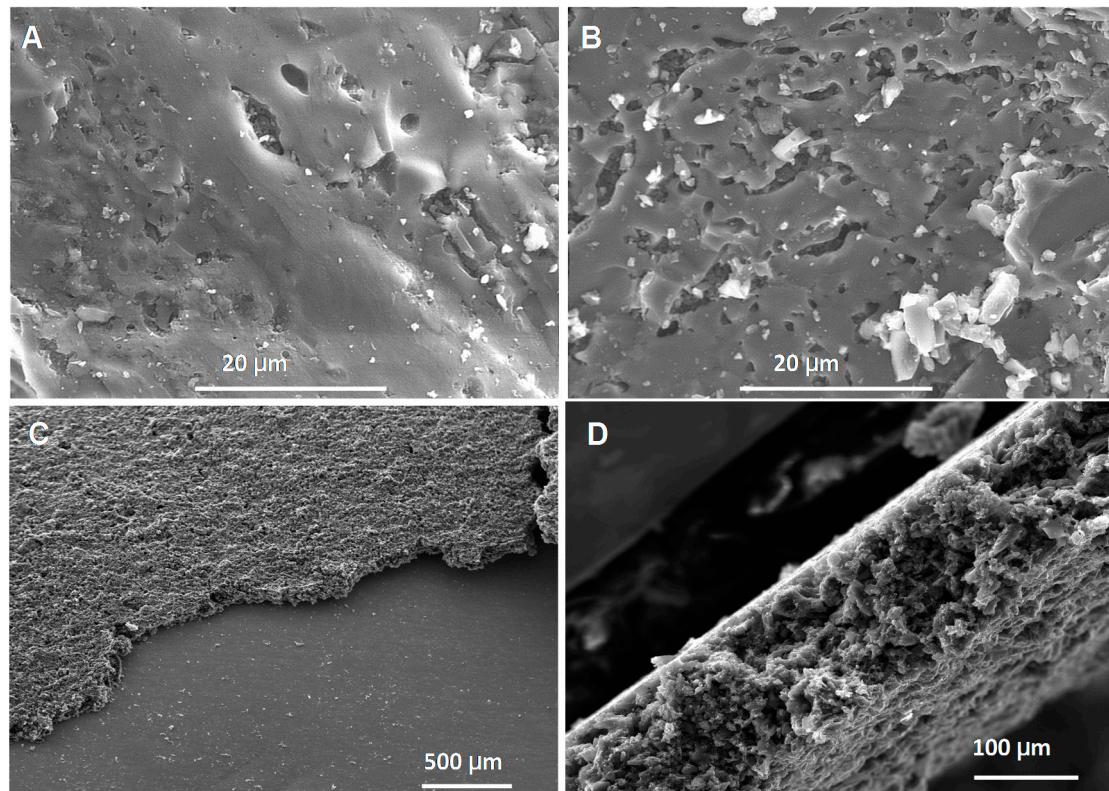


Figure S1. SEM images of the investigated carbon materials (A) NC and (B) NCox, and examples of the photoanodes (C, D).

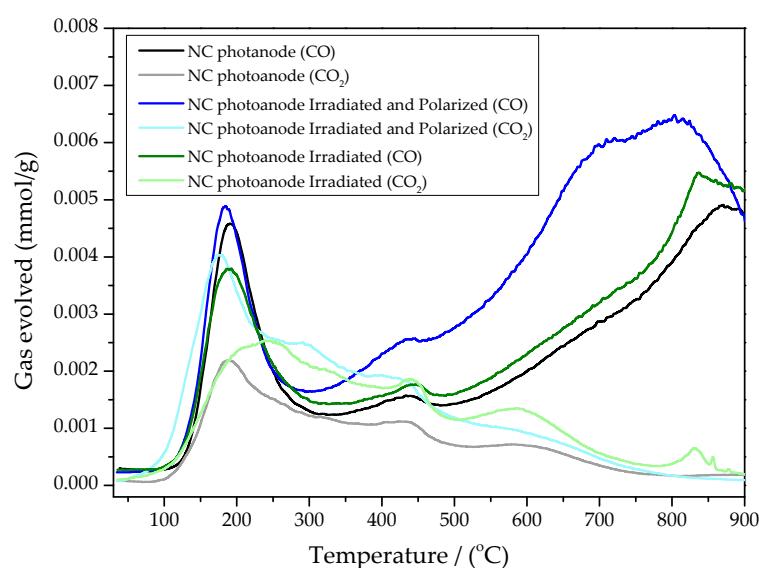


Figure S2. CO and CO₂ TPD-MS profiles for the as prepared carbon photoanode, and after irradiation and polarization at 1 V vs Ag/AgCl.

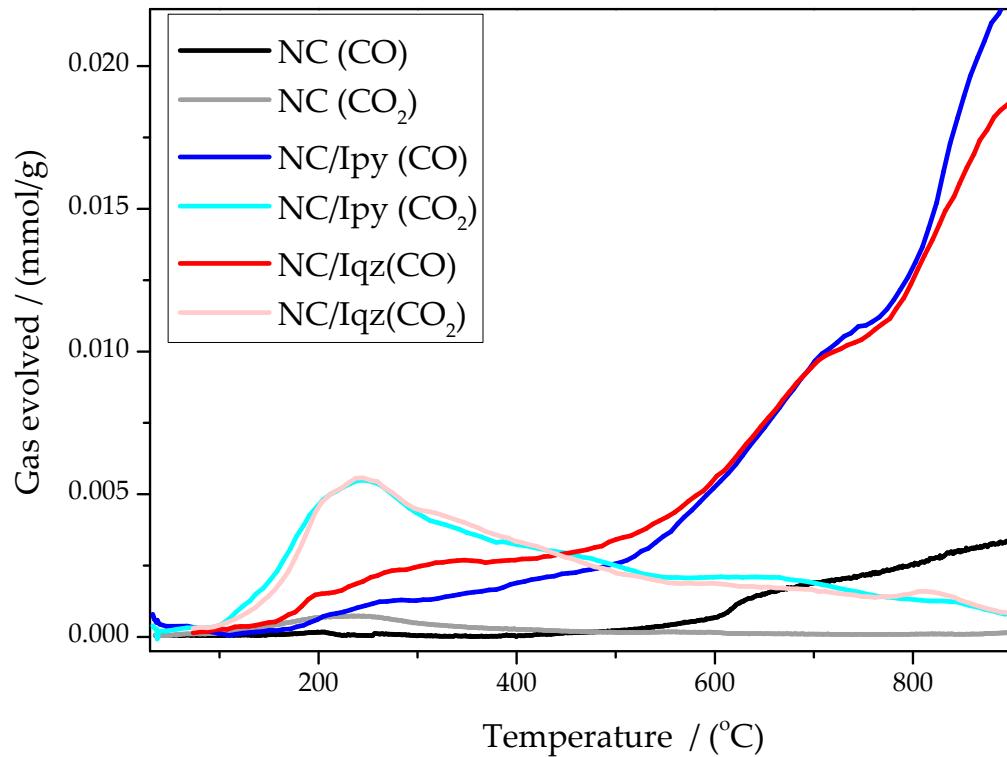


Figure S3. CO and CO₂ TPD-MS profiles for the nanoporous carbon before and after light exposure with different irradiation conditions.

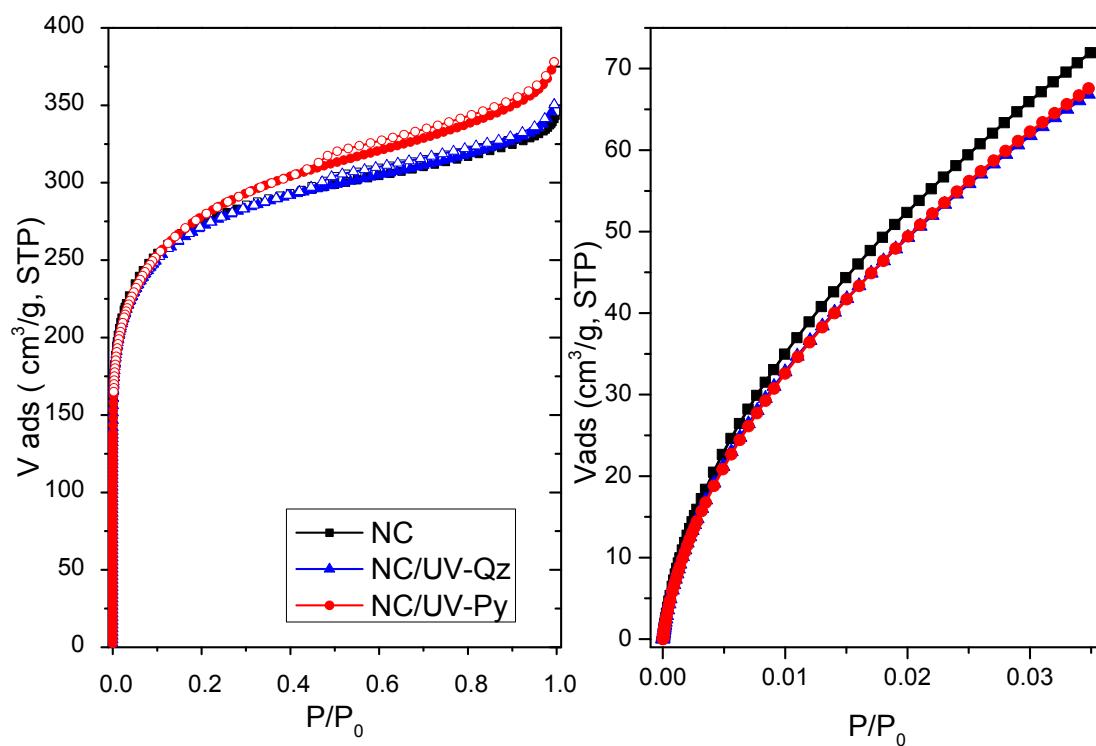


Figure S4. High resolution adsorption/desorption isotherms of the studied nanoporous carbons: (left) nitrogen at 77K, and (right) carbon dioxide at 273K.