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 $\label{eq:Figure S1. SEM- and TEM-images of the prepared samples: SEM: a - C_3N_4-Ar; TEM: b - C_3N_4-Ar, c - C_3N_4-TEOS, d - N-doped carbon.$



Figure S2. Nitrogen adsorption-desorption isotherms (a) and pore size distribution (b, BJH method) for carbon nitride and carbon samples: C₃N₄-Ar (1), C₃N₄-air (2), C₃N₄-TEOS (3), N-doped carbon (4).



Figure S3. XPS spectra of C 1s region (a), N 1s region (b) and O 1s region (c) for N-doped carbon.