Supplementary material for the manuscript Nitrogen doped carbon aerogel composites with TiO₂ and ZnO prepared by atomic layer deposition

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Supplementary material



Figure S1. Spectrum of the UV lamp used for the photocatalytic experiments



Figure S2. Integral pore size distribution of the samples from N₂ adsorption measurements







Figure S3. Deconvolution of the C 1s peak from XPS







Figure S4. Deconvolution of the N 1s peak from XPS







Figure S5. Deconvolution of the O 1s peak from XPS



Figure S6. XPS survey spectra of the samples



Figure S7. Cyclic investigation of the photocatalysis

Table S1.	Comparing the adsorption	of methyl c	orange dye on	nitrogen	free carbon	aerogel f	rom ou	٢
		previous w	ork to the NC	A				

	Nitrogen free carbon	Nitrogen doped
	aerogel	carbon aerogel
Initial concentration of the methyl orange dye	8*10 ⁻⁵ M	4*10 ⁻⁵ M
Initial absorbance of the methyl orange dye	2.2	1.1
Absorbance of the methyl orange dye after 24 h in dark with 1 mg sample	0.749	0.636
Adsorbed amount [%]	66 %	42 %