

Supporting information

Novel Nitrogen-containing Mesoporous Carbons Prepared from Chitosan

Andrzej Olejniczak,^{†,‡} Maria Lezanska,^{*,†} Jerzy Wloch,[†] Anna Kucinska,[†] and
Jerzy P. Lukaszewicz[†]

[†]Faculty of Chemistry, Nicolaus Copernicus University, ul. Gagarina 7, 87-100 Torun, Poland,

[‡]Flerov Laboratory of Nuclear Reactions, Joint Institute for Nuclear Research, Dubna, 141980, Russia

*To whom correspondence should be addressed. Email adress: miriam@chem.uni.torun.pl

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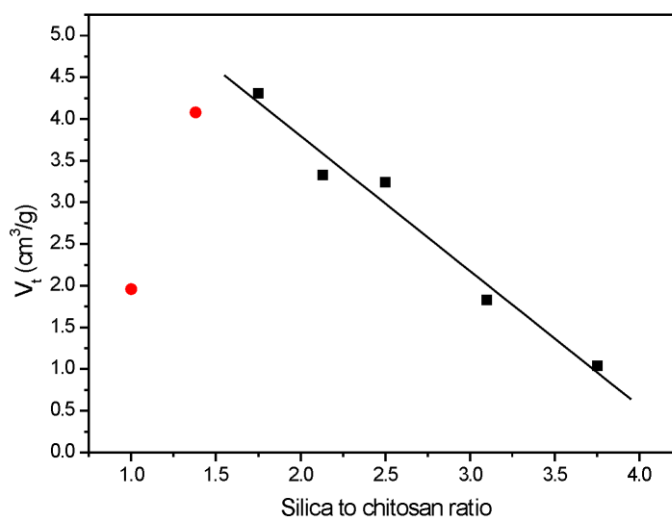


Figure S1: Dependence of silica-to-chitosan ratio on total pore volume.

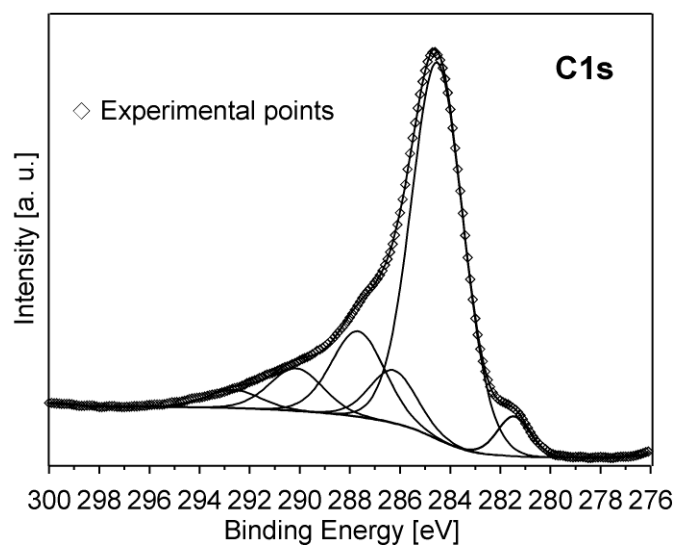


Figure S2: XPS C1s profile of CAS40-1.0 sample.

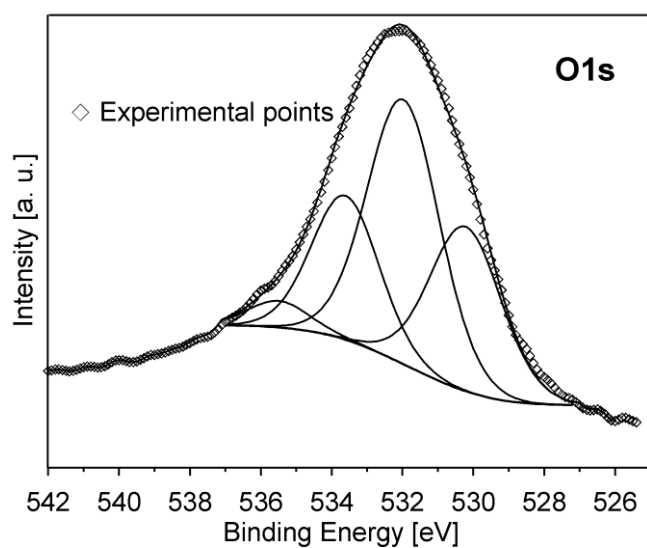


Figure S3: XPS Si2p profile of CAS40-1.0 sample.

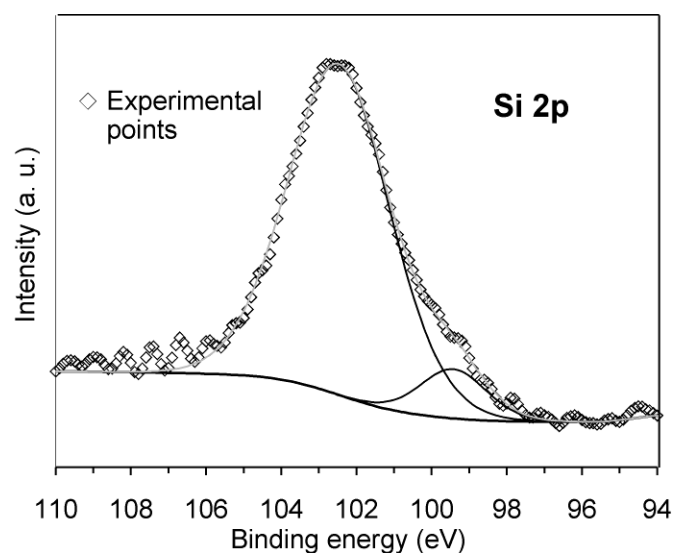


Figure S4: XPS O1s profile of CAS40-1.0 sample.

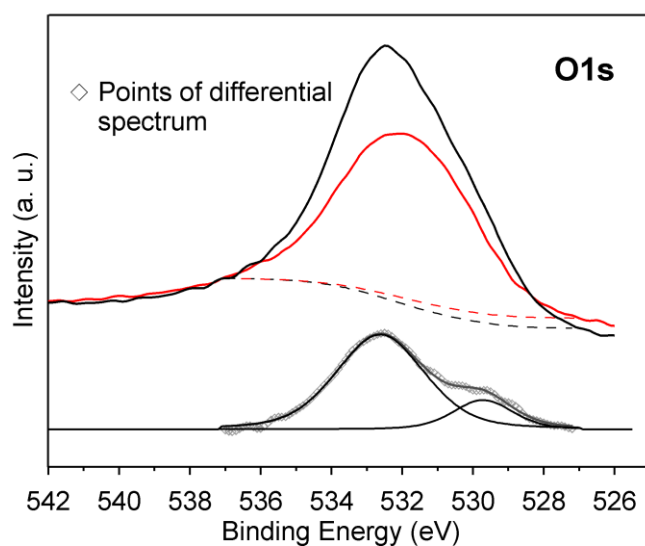


Figure S5: XPS O1s profiles of CAS40-1.0 (red line) and CAS40-2.50 (black line) samples (A). Deconvolution of a difference spectrum obtained by subtracting the spectrum of CAS40-1.0 sample from that of CAS40-2.50 sample (B).

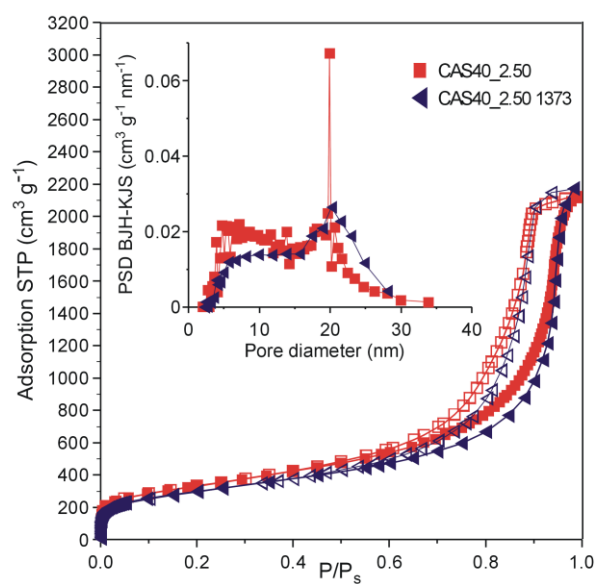


Figure S6: Nitrogen sorption isotherms and PSDs (insert) of CAS40-2.50 samples carbonized at 1173 and 1373 K, respectively.