

Electronic Supporting Information (ESI)

Efficient energy storage in mustard husk derived porous spherical carbon nanostructures

Atin Pramanik,^{*a,b} Shreyasi Chattopadhyay,^{a,b} Goutam De^{*a,c} and Sourindra Mahanty^{*a}

^a CSIR-Central Glass & Ceramic Research Institute, 196 Raja S. C. Mullick Road, Kolkata 700032, India

^b School of Chemistry, University of St Andrews, Purdie Building, North Haugh, St Andrews, Fife KY16 9ST, Scotland, United Kingdom (present address)

^c S. N. Bose National Centre for Basic Sciences, Kolkata 7000106, India.

Corresponding Authors:

Email: mahanty@cgcric.res.in (S. Mahanty); ap294@st-andrews.ac.uk (A. Pramanik); g.de@bose.res.in (G. De)

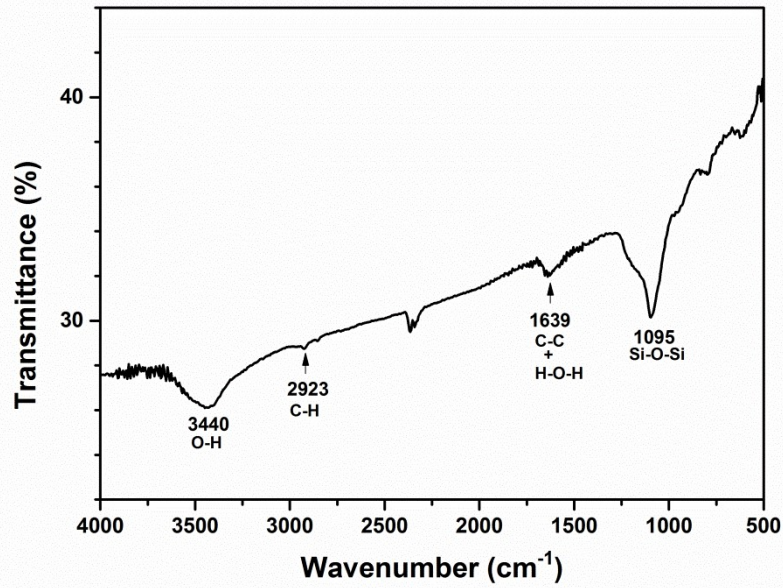


Fig. S1 FTIR spectrum of PSCN.

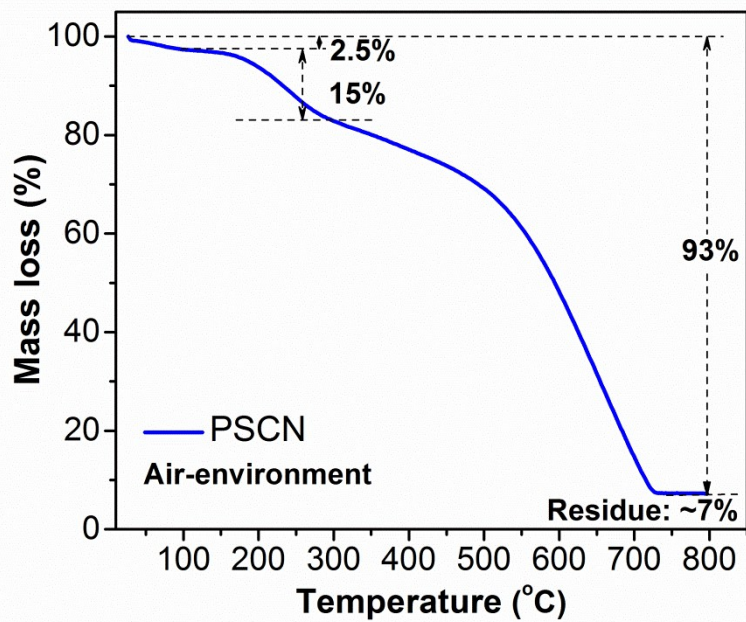


Fig. S2 TGA profile of synthesized PSCN in air.

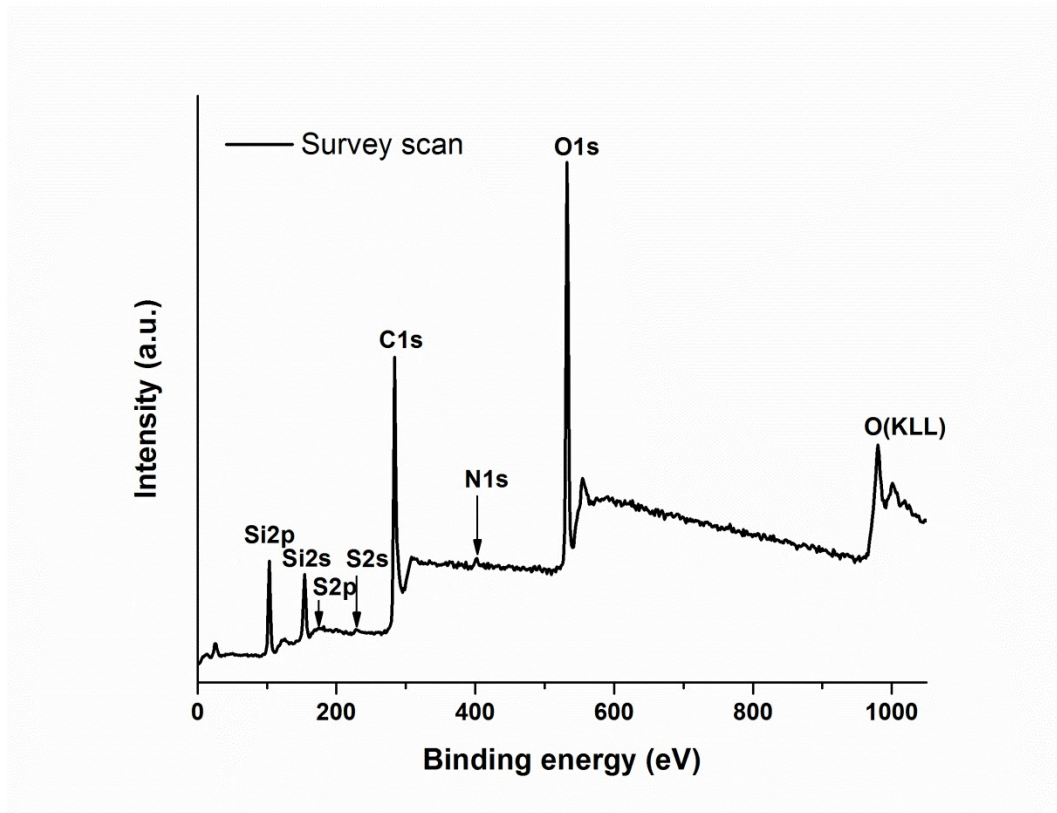


Fig. S3 XPS survey spectrum of PSCN.

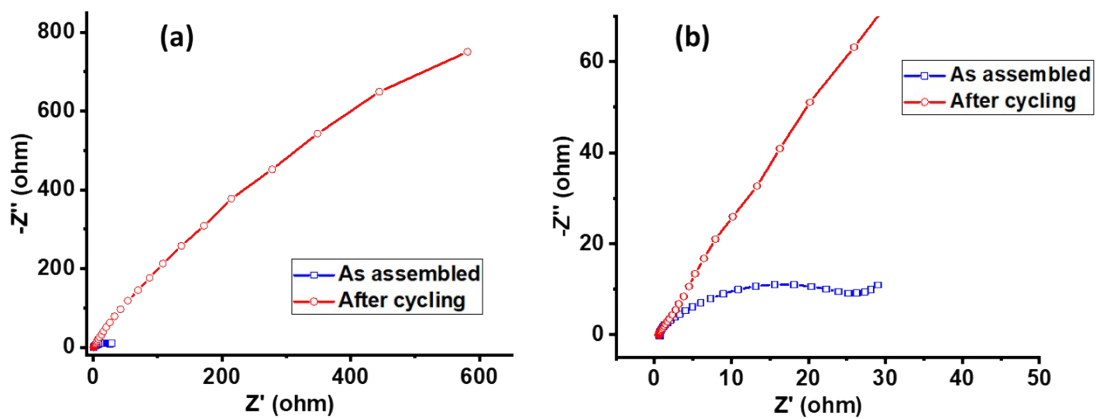


Fig. S4 Nyquist plots for PSCN in three-electrode configuration (a) for as assembled cell and after 10,000 cycling performance, and (b) magnified plot in the particular region.