Electronic Supplementary Material (ESI) for Journal of Materials Chemistry A

Supplementary Materials

Nanochannel Morphology of Polypyrrole-ZnO Nanocomposite towards Dye Sensitized Solar Cell Application

Shreyam Chatterjee, Arnab Shit and Arun K. Nandi*

Polymer Science unit, Indian Association for the Cultivation of Science,

Jadavpur, kolkata- 700032

- For correspondence : A. K. Nandi: email: psuakn@iacs.res.in

SI Table-1: Analysis of EDAX data of PZ3 sample from Fig. 2d

Element	Peak Area	Area Sigma	k Factor	Absorption Correlation.	Weight%	Weight% Sigma	Atomic%
C K	55641	542	2.208	1.000	61.58	0.55	80.85
N K	1954	488	2.965	1.000	2.90	0.71	3.27
O K	10830	297	1.810	1.000	9.83	0.26	9.69
Zn K	35755	351	1.434	1.000	25.69	0.31	6.20
Totals					100.00		

SI Table-2. dc-conducitivity values of ZnO, PPy, PZ1, PZ2 and PZ3

Sample	Conductivity (S/cm)
ZnO	3.19×10^{-7}
PPy	2.29×10^{-5}
PZ1	3.62×10^{-5}
PZ2	5.63×10^{-5}
PZ3	7.92×10^{-5}