

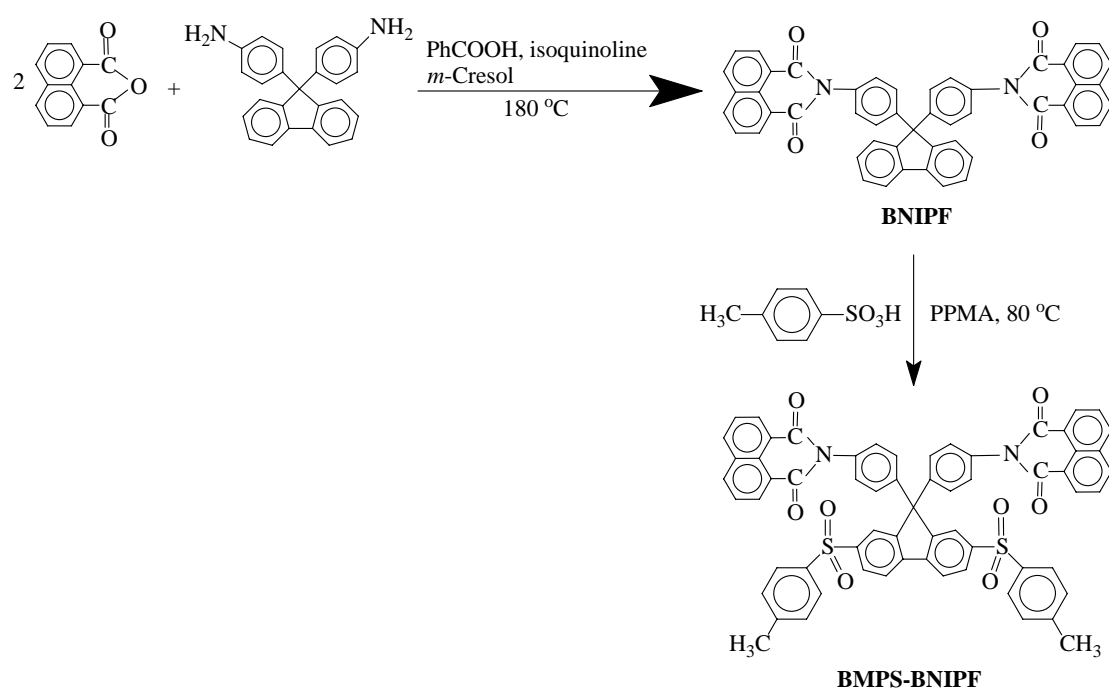
Supporting Information

A Facile Approach for Preparation of Cross-linked Sulfonated Polyimide Membranes for Fuel Cell
Application

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Scheme S1: Synthesis of Model Compounds



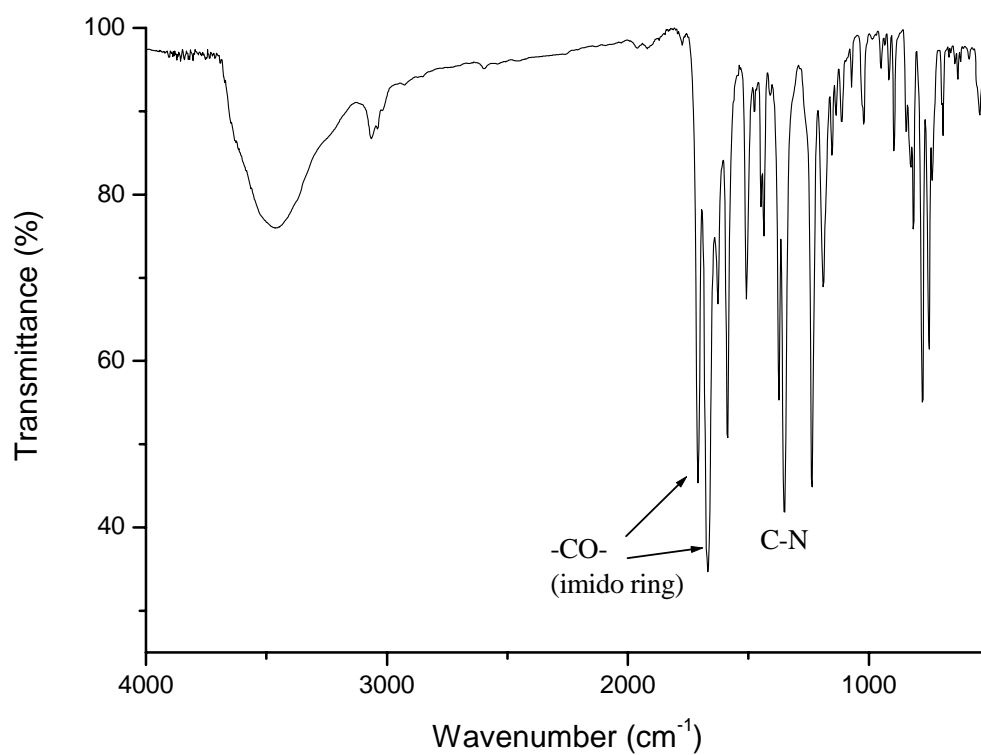


Figure S1: FT-IR spectrum of 9,9-bis(4-(1,5-naphthylimido)phenyl)fluorene (BNIPF).

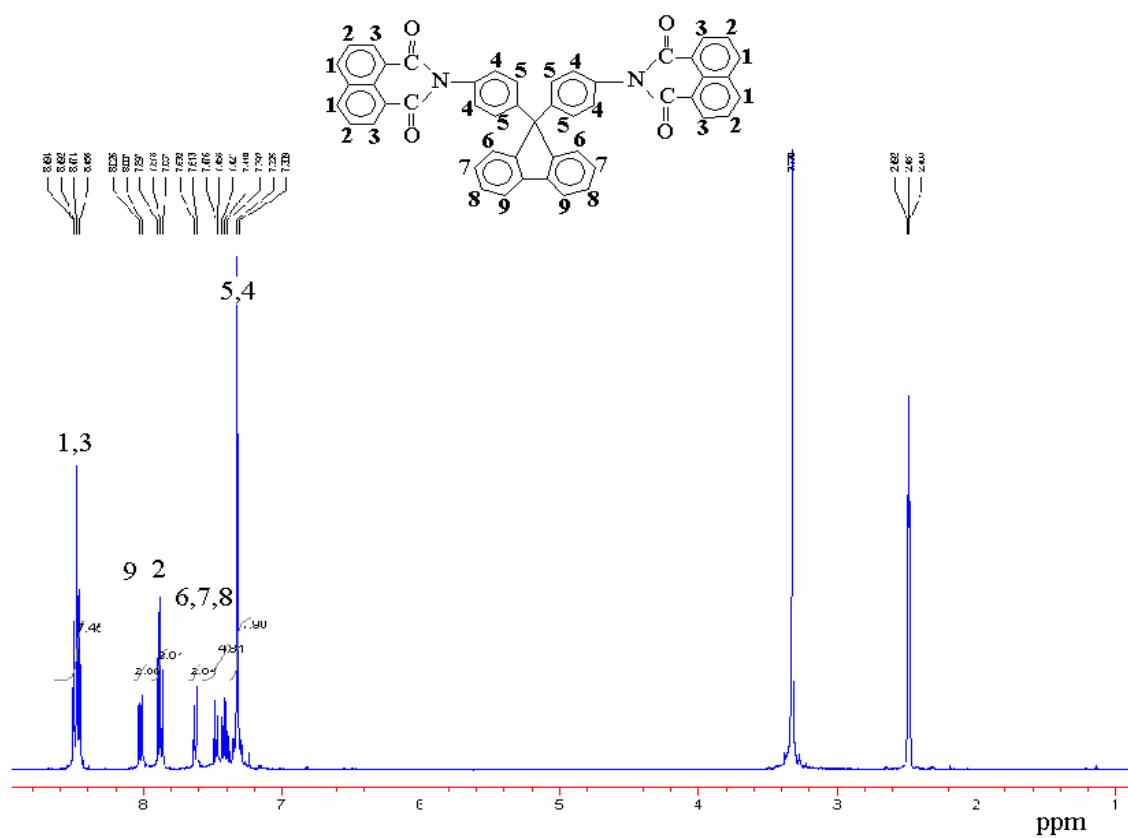


Figure S2: ¹H NMR spectrum of 9,9-bis(4-(1,5-naphthylimido)phenyl)fluorene (BNIPF) in DMSO-d₆.

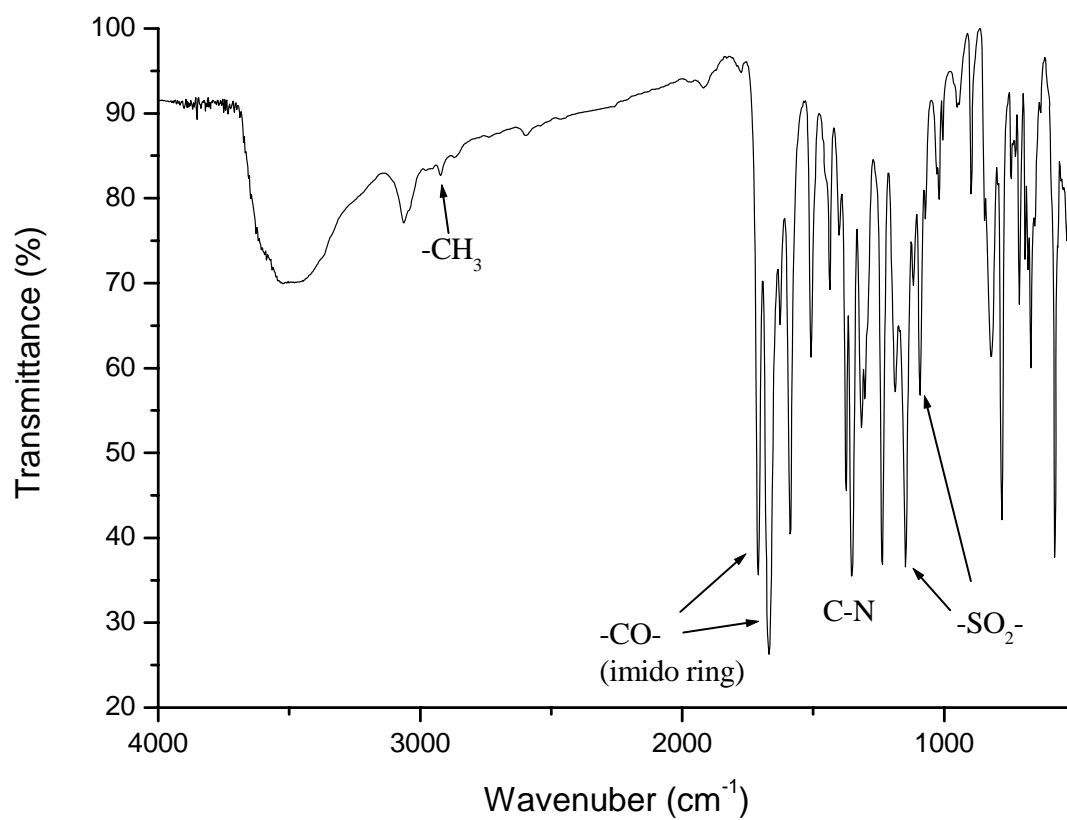


Figure S3: FT-IR spectrum of 2,7-bis(4-methylphenylsulfonyl)-9,9-bis(4-(1,5-naphthylimido)phenyl)-fluorene (BMPS-BNIPF).

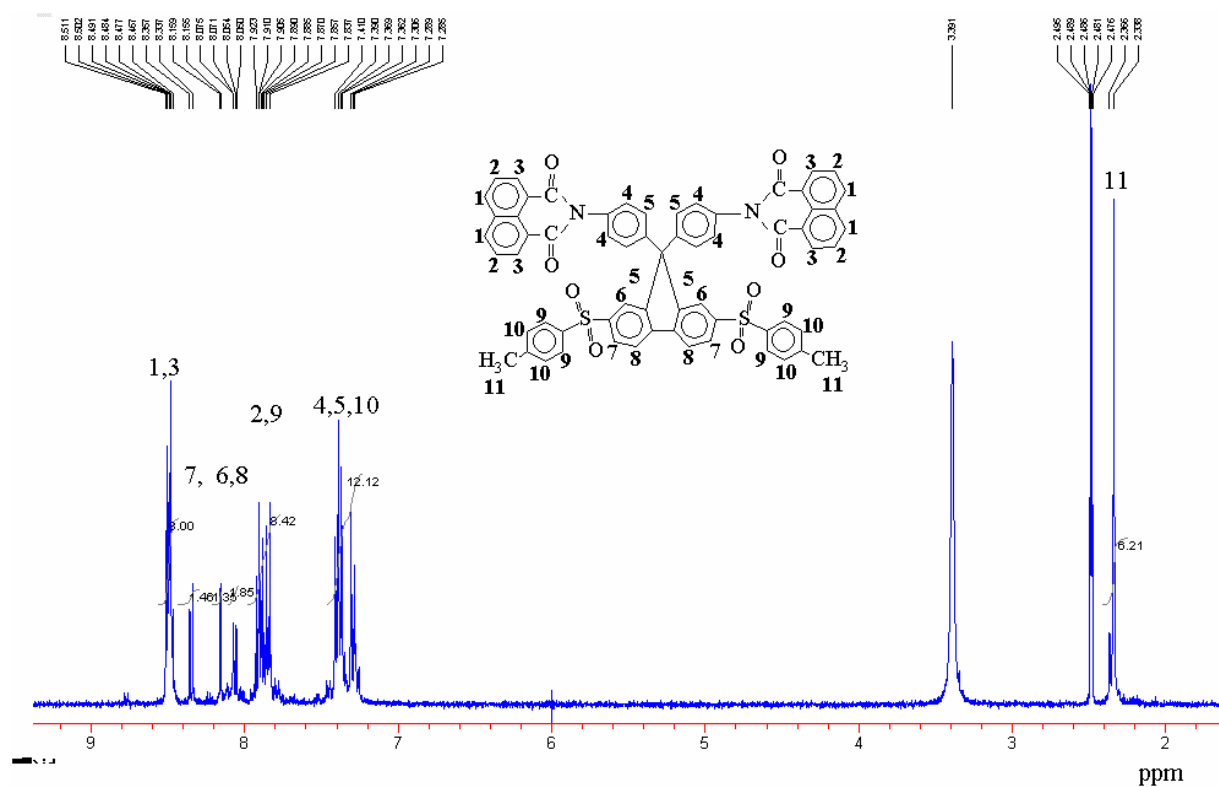


Figure S4: ¹H NMR spectrum of 2,7-bis(4-methylphenylsulfonyl)-9,9-bis(4-(1,5-naphthylimido)-phenyl)fluorene (BMPS-BNIPF) in DMSO-d₆.