

## Accepted Manuscript

Title: Synthesis of hydrophilic carbon nanotubes by grafting poly(methyl methacrylate) via click reaction and its effect on poly(vinylidene fluoride)-carbon nanotube composite membrane properties

CNTs = carbon nanotubes,  
MWCNTs = multiwalled carbon nanotubes,  
PMMA = poly(methyl methacrylate), PFMA = poly(furfuryl methacrylate), RAFT = reversible addition fragmentation chain transfer, DMAP = 4-(N, N-dimethylamino)pyridine, EDC = N-(3-dimethyl aminopropyl)-N'-ethyl carbodiimide, AIBN = azobisisobutyronitrile, DDPT = S-1-dodecyl-S'-( $\alpha,\alpha'$ -dimethyl- $\alpha,\alpha'$ -propargyl acetate) trithiocarbonate, EDTA = Ethylenediaminetetraacetic acid, GP = grafting percentage, MMA = methyl methacrylate, PVDF = poly(vinylidene fluoride), TGA = thermogravimetric analysis.

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