

Enhancing Polysulfone Mixed-Matrix Membranes with Amine-Functionalized Graphene Oxide for Air Dehumidification and Water Treatment

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Table S1: Elemental Analysis of GO and GO-NH₂ Obtained from XPS

Sample	Atomic %		
	%C	%O	%N
GO	63.15	36.85	0.00
GO-NH ₂	77.58	15.07	7.35

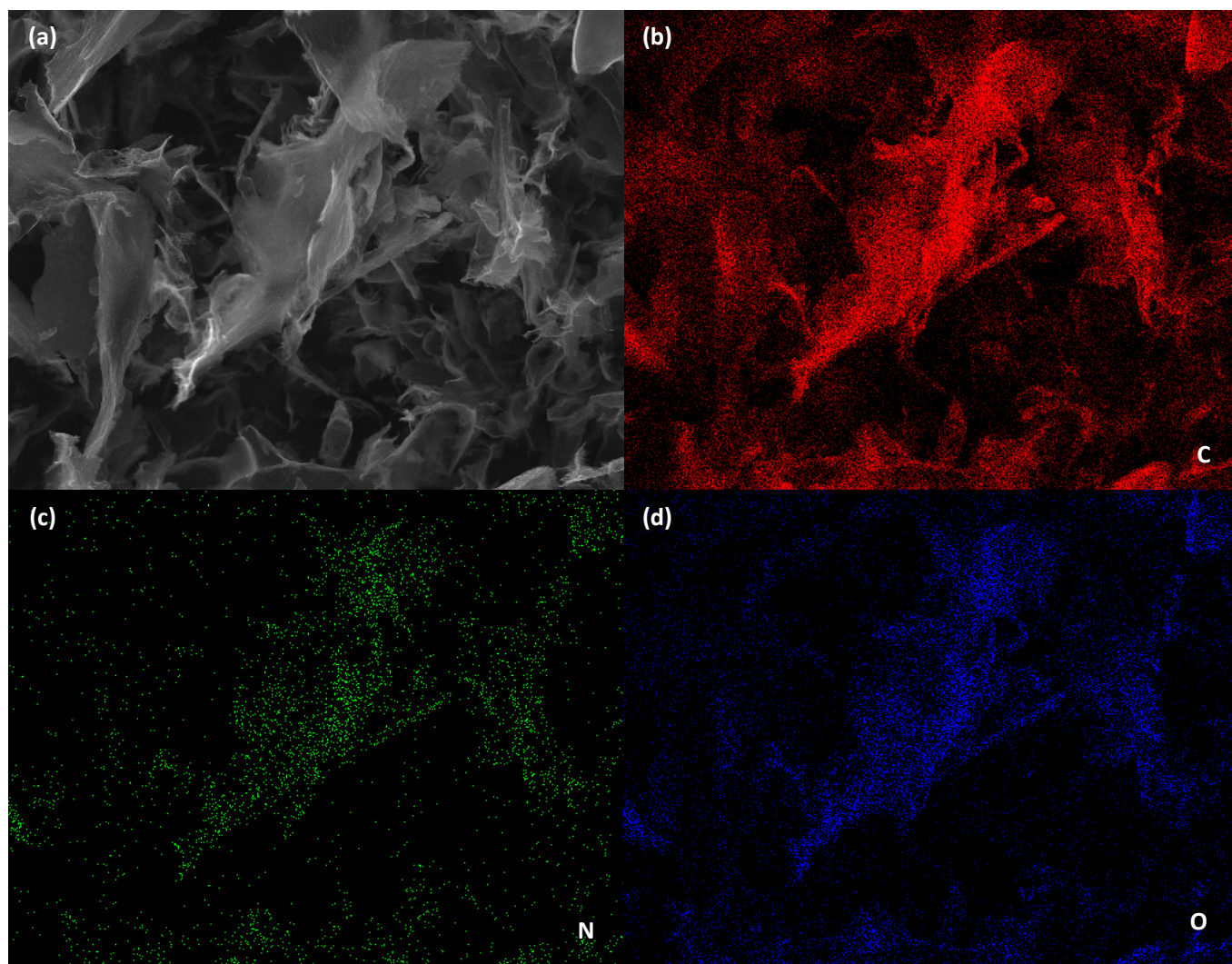


Figure S1: SEM of GO-NH₂ and EDS mapping of (b) carbon, (c) nitrogen, and (d) oxygen atoms of GO-NH₂.

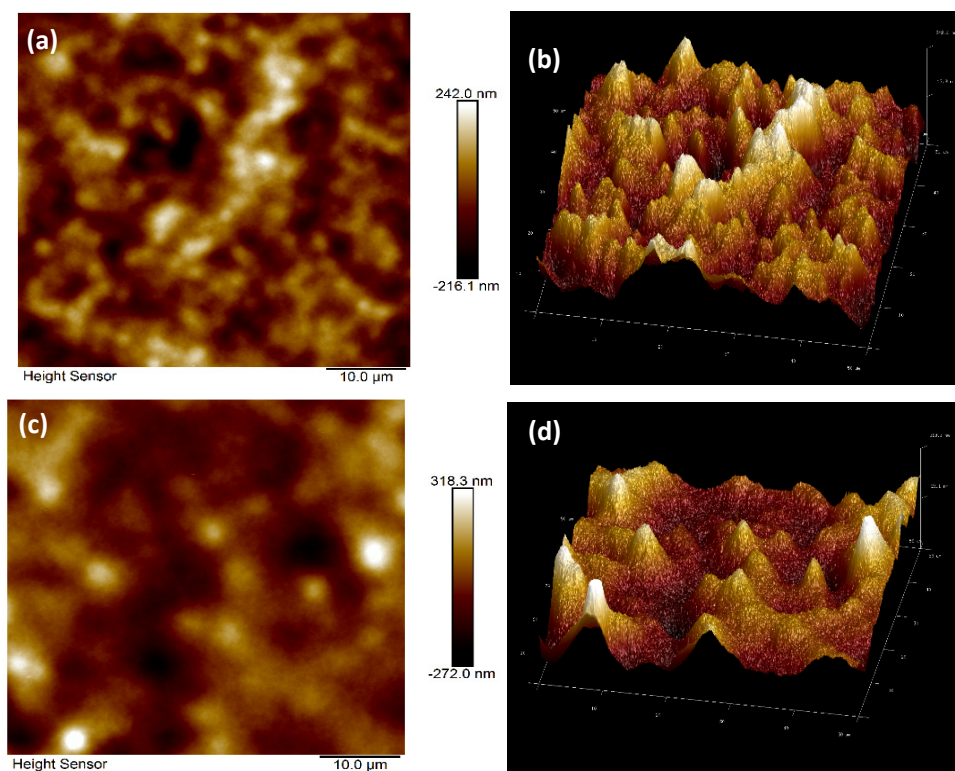


Figure S2: Surface Topography Analysis of GO-NH₂ Membranes: (a) PSf, (b) Roughness of PSf, (c) Surface of PSf-0.1-GO-NH₂, and (d) Roughness of PSf-0.1-GO-NH₂.