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High flux and fouling resistant flat sheet polyethersulfone membranes incorporated with graphene oxide for ultrafiltration applications

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Highlights

- 1. PES/GO membranes were prepared in combination with various pore forming agents.
- 2. Higher flux and improved rejection were achieved with the addition of GO.
- 3. Synthetic solutions of protein and dyes were rejected efficiently at 1 bar.
- 4. Membrane fouling was reduced with the addition of GO.

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