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Incorporation of carboxylic monoamines into thin-film composite polyamide membranes to enhance nanofiltration performance

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Abstract

Nanofiltration membrane performance is enhanced to attain an economical water purification system. Herein, we developed a series of high-performance thin-film composite nanofiltration polyamide (PA) membranes by incorporating different monoamines containing carboxylic terminal groups such as 4-aminobenzoic acid (ABA), 6-aminocaproic acid (ACA),

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