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**Construction of oil-unidirectional membrane for integrated oil collection with
lossless transportation and oil-in-water emulsion purification**

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Abstract

Oily wastewater and oil spills not only cause large amounts of resource wastefulness, but threaten water safety and human health. Besides, for some oily emulsions, the oil droplets are usually valuable, such as the soybean oil droplets formed during oil manufacture, and the oil droplets carrying high valued product from the extraction process or micro-emulsion reactor. Therefore, the collection and recovery of oil from water are particularly

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