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**Understanding membrane fouling by oil-in-water emulsion via experiments and
molecular dynamics simulations**

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Abstract:

Membrane-based filtration is promising for the treatment of oily wastewater with stable micron-sized oil droplets, but is unfortunately limited by the inevitable membrane fouling phenomenon. To advance the understanding on membrane fouling by oil emulsion, this study made use of the direct observation through the membrane (DOTM) technique to

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