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# Hydrophilic Hollow Zeolitic Imidazolate Framework-8 Modified Ultrafiltration Membranes with Significantly Enhanced Water Separation Properties

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## Abstract

Metal-organic frameworks (MOFs) are being intensively investigated for the design of advanced composite membranes, primarily due to their favorable polymer affinity, and highly tunable porous structure and surface properties. However, the development of engineered MOF-based ultrafiltration (UF) membranes for water treatment remains in its infancy. In the present study, hydrophilic hollow zeolitic imidazolate framework-8 (hZIF-8) was meticulously synthesized via surface

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