

Electronic Supplementary Information (ESI) for New Journal of Chemistry.

Supplementary Information for

Switchable Superlyophobic Zeolitic Imidazolate Framework-8 Film-Coated Stainless-Steel Meshes for Selective Oil–Water Emulsion Separation with High Flux

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CONTENTS:

S1: Pore sizes and underwater oil contact angles of neat SSMs and ZFCM-1.

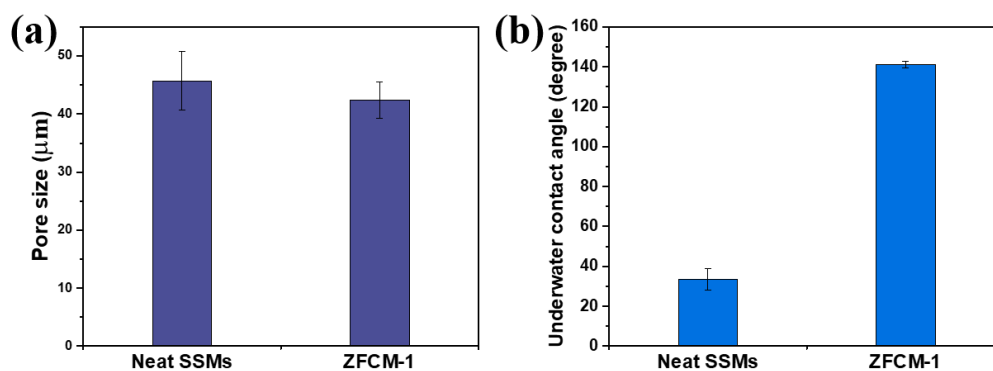


Fig. S1 (a) Pore size and (b) underwater oil contact angles of neat SSMs and Z-1.

ZFCM-1 was prepared by 1 h of crystallization on seeded SSMs. Neat SSMs and ZFCM-1 had similar pore sizes of $\sim 43 \mu\text{m}$. However, the UOCAs of the two membranes were different. After coating thin ZIF-8 film onto the SSMs, the UOCA increased from $33.4 \pm 5.5^\circ$ to $141.1 \pm 1.7^\circ$, proving that ZIF-8 enhanced the UOCA of the membrane.