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**Mixed matrix nanofiber as a flow-through membrane adsorber for continuous Li⁺
recovery from seawater**

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Abstract

A polysulfone (PSf)-based mixed matrix nanofiber (MMN) dispersed with particulate lithium ion sieves (LIS) was developed as a flow-through membrane Li⁺ adsorber. The MMN was prepared via electrospinning, thermal annealing, and acid pickling (i.e. activated LIS:

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