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# Robust fluorinated polyimide nanofibers membrane for high-performance lithium-ion batteries

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## Abstract

A robust fluorinated polyimide (FPI) nanofibers membrane was prepared by an electrospinning technique and subsequent thermo-crosslinking process. Compared to pristine FPI nanofibers membrane, the thermally cross-linked FPI nanofibers membrane possesses considerable mechanical strength (i.e., 31.7 MPa), small average pore size and narrow

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