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All-solid-state lithium batteries (ASSLBs) with nonflammable solid electrolytes (SEs) deliver greatly enhanced safety characteristics. Furthermore, ASSLBs composed of cathodes with high working voltages, such as LiCoO2, LiNixCoyMnzO2 (x + y + z = 1, NCM), LiNixCoyAlzO2 (x + y + z = 1, NCA), LiMnxFeyPO4 (x + y = 1, LMFP), and LiNi0.5Mn1.5O4 (LNMO), and a lithium ...

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