

**Crystal phase and surface defect driven synthesis of  $\text{Pb}_{1-x}\text{Sn}_x\text{F}_2$  solid solution electrolyte for fluoride ion batteries**

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**Mechanochemical synthesis of solid-state electrolyte  $\text{Sm}_{1-x}\text{Ca}_x\text{F}_3$  for batteries and other electrochemical devices**

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