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Lithium- Sulphur Batteries: Challenges and Opportunities

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Abstract:

In this talk, the recent advances of Li-S batteries will be reviewed briefly. Specifically, the state-of-the-art results for the immobilization of sulphur in the cathode region, the techniques on the suppression of dendrites formation at the lithium anode, the techniques in the selection of electrolyte, binders as well as separators will be examined. In addition to the research outputs from the laboratory, the information from the industrial manufacturers will also be communicated. The challenges and opportunities for academics and industrialists will be listed out for further development of this type of battery.

Invited: