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LiAlCl₄·3SO₂ as a high conductive, non-flammable and inorganic non-aqueous liquid electrolyte for lithium ion batteries

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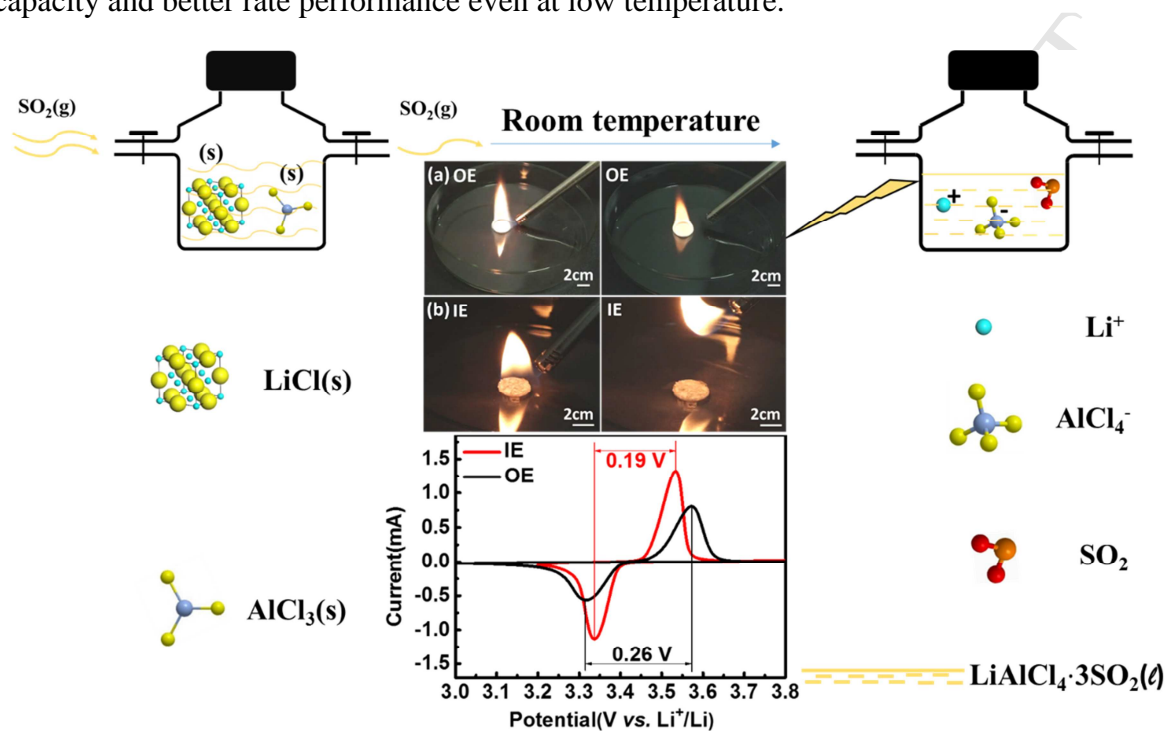
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Graphic abstract

Compared with conventional organic electrolyte (OE), lithium ion batteries with the non-flammable and inorganic non-aqueous electrolyte-LiAlCl₄·3SO₂ (IE) exhibits higher specific capacity and better rate performance even at low temperature.



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