

Interrogating the interphase

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This work provides some of the first experimental evidence to suggest that the formation of LiF involves the electroreduction of HF and is an important step towards unravelling the complexity of SEI formation. The team now aim to further establish the link between LiF formation and the performance of Li-ion batteries and to use this knowledge to develop new battery technologies.

ORIGINAL ARTICLE Strmcnik, D. et al.
Electrocatalytic transformation of HF impurity to H₂ and LiF in lithium-ion batteries. *Nat. Catal.* **1**,
<https://doi.org/10.1038/s41929-018-0047-z> (2018)