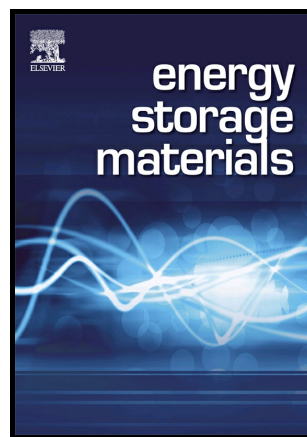


Author's Accepted Manuscript

Long lifespan lithium metal anodes enabled by Al₂O₃ sputter coating

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PII: S2405-8297(17)30245-3
DOI: <http://dx.doi.org/10.1016/j.ensm.2017.08.001>
Reference: ENSM194

To appear in: *Energy Storage Materials*

Received date: 17 June 2017
Revised date: 1 August 2017
Accepted date: 1 August 2017

Cite this article as: Liping Wang, Lei Zhang, Qingji Wang, Wenjun Li, Bo Wu, Weishang Jia, Yuehui Wang, Jingze Li and Hong Li, Long lifespan lithium metal anodes enabled by Al₂O₃ sputter coating, *Energy Storage Materials* <http://dx.doi.org/10.1016/j.ensm.2017.08.001>

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Long lifespan lithium metal anodes enabled by Al₂O₃ sputter coating

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Abstract

Lithium metal is a Holy Grail anode for high energy density lithium ion batteries.

While, its high chemical reactivity and high tendency to form dendrites hinder its

wide applications. Here, in this study, we stabilize lithium metal by engineering an

artificial SEI layer, namely fabricating a conformal nano-meter thickness amorphous

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