

ChemSusChem

Supporting Information

Modification of Al Surface via Acidic Treatment and its Impact on Plating and Stripping

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Supporting Information

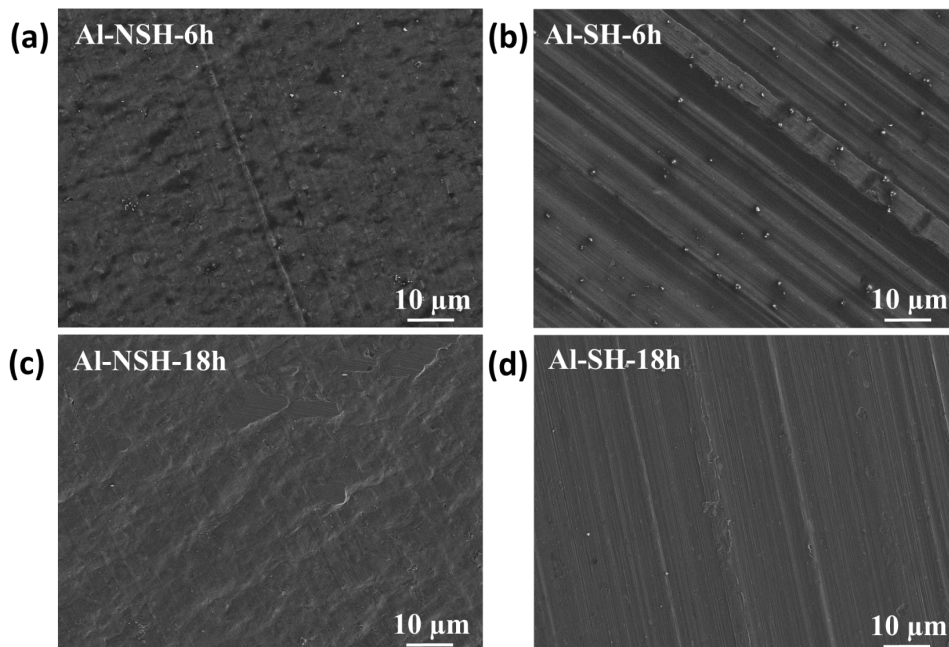


Figure S 1. SEM images of (a) Al-NSH-6h (b) Al-SH-6h (c) Al-NSH-18h (d) Al-SH-18h after immersion pretreatment in [EMImCl]/AlCl₃ (1:1.5) ILE.

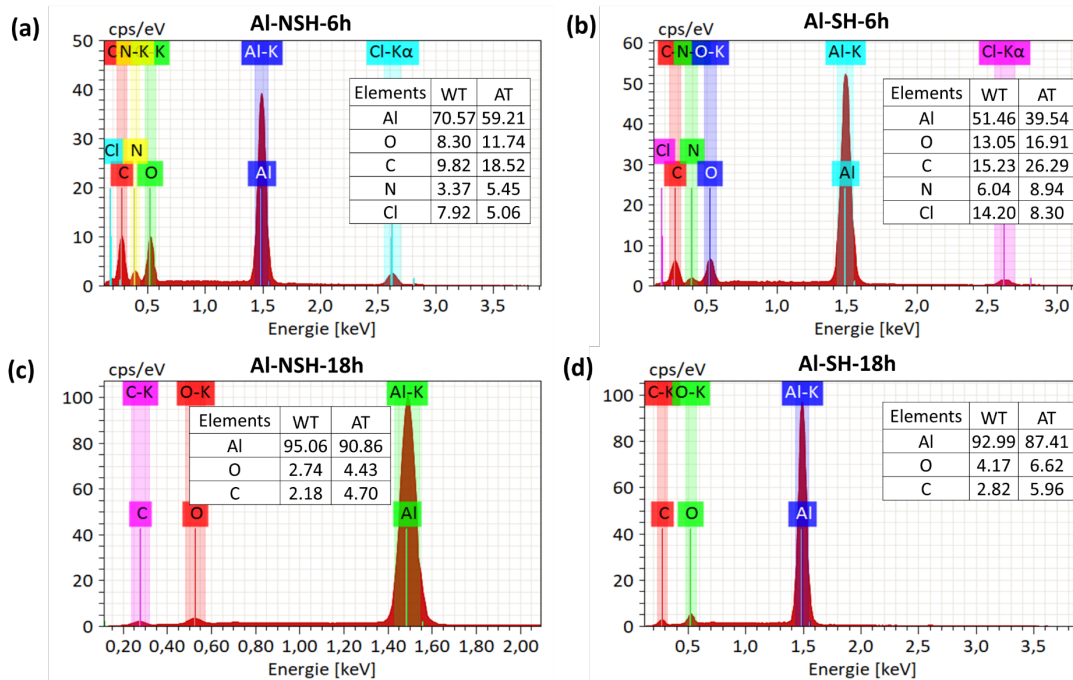


Figure S 2. EDX results and observed elements on the surface of (a) Al-NSH-6h (b) Al-SH-6h (c) Al-NSH-18h (d) Al-SH-18h after immersion pretreatment in [EMImCl]/AlCl₃ ILE.

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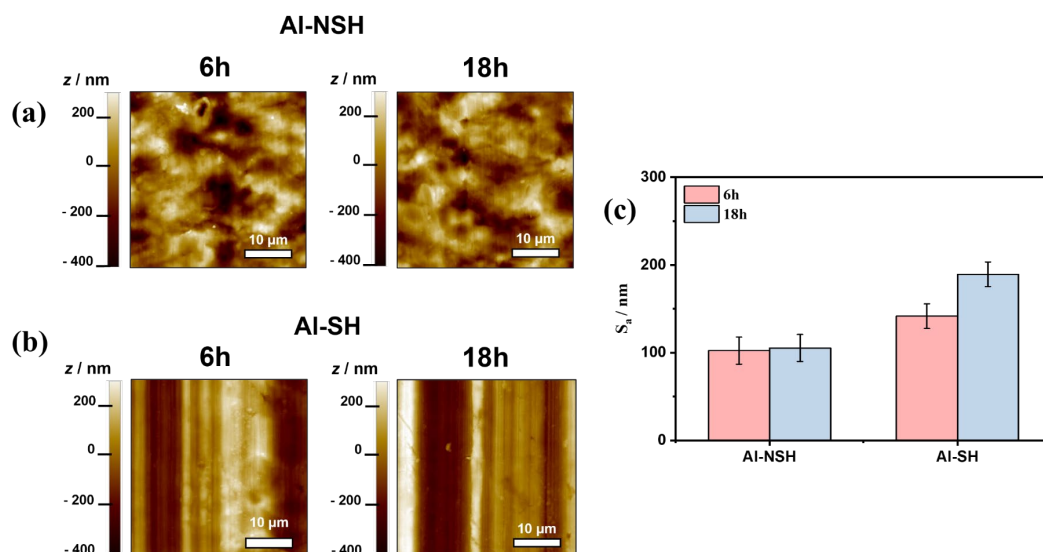


Figure S 3. AFM topographic images of (a) Al-NSH-6h and Al-NSH-18h, (b) Al-SH-6h and Al-SH-18h after immersion pretreatment in [EMImCl]/AlCl₃ ILE. (c) Bar graph of mean surface roughness (S_a) values comparison with respect to surface roughness: before and after cycling. Error bars reflect standard deviations from data for three different spots at one sample.

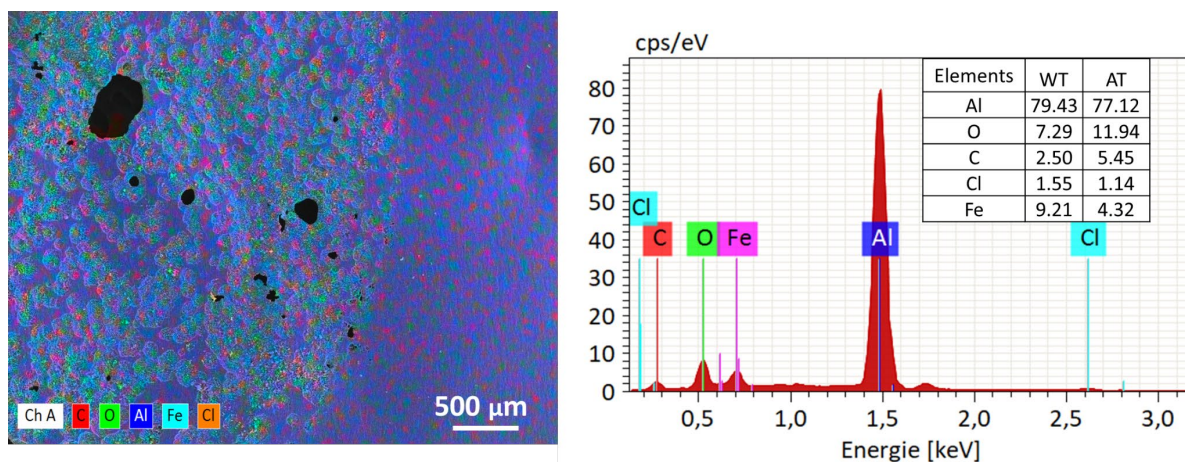


Figure S 4. EDX result and observed elements on the surface of 500 cycled Al-NSH in [EMImCl]/AlCl₃ ILE.