

Supplementary information

Fabrication of fluorine-free electrodeposited superhydrophobic surface on aluminum substrate for corrosion protection and drag reduction

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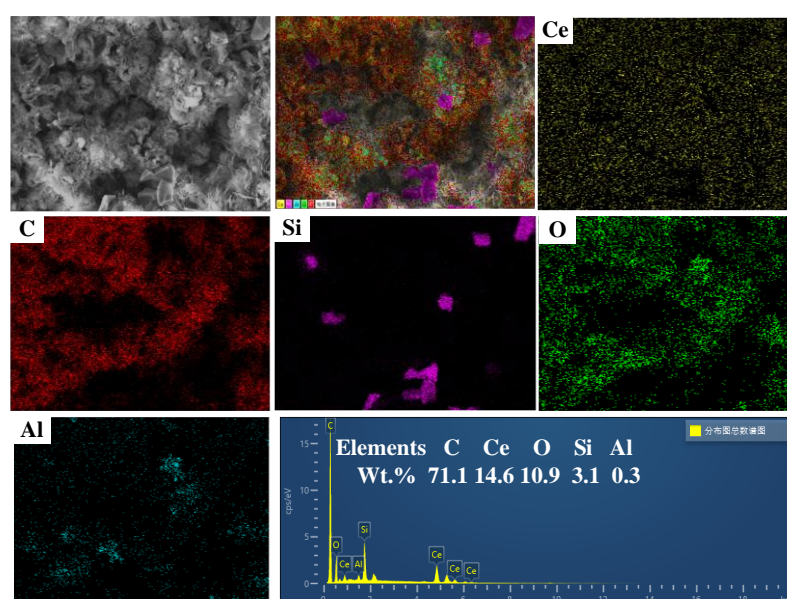


Figure S1. The EDS results of the surface of the ED1 sample.

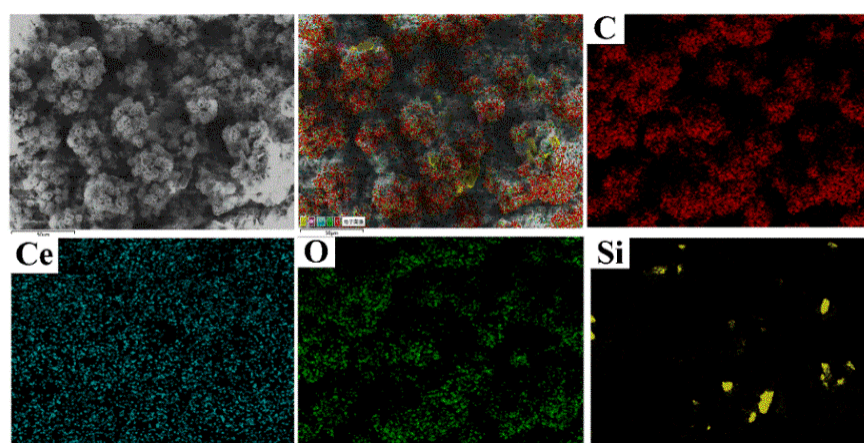


Figure S2. The EDS results of the ED2 surface.

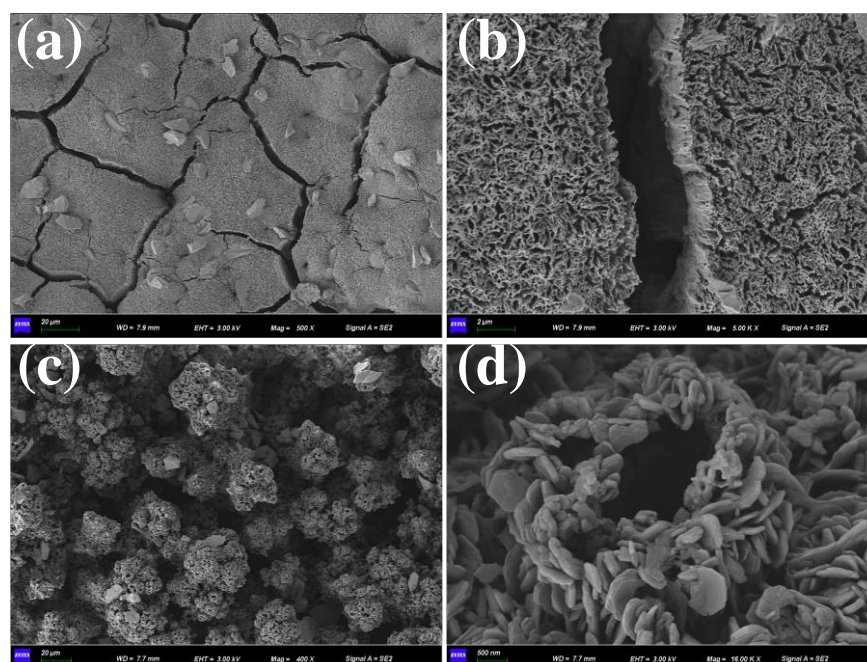


Figure S3. The surface morphologies of sample; (a, b) the surface morphologies of the first-step electrodeposited surface of the ED2 sample; (c, d) the surface morphologies of the second step electrodeposited surface of the ED2 sample.

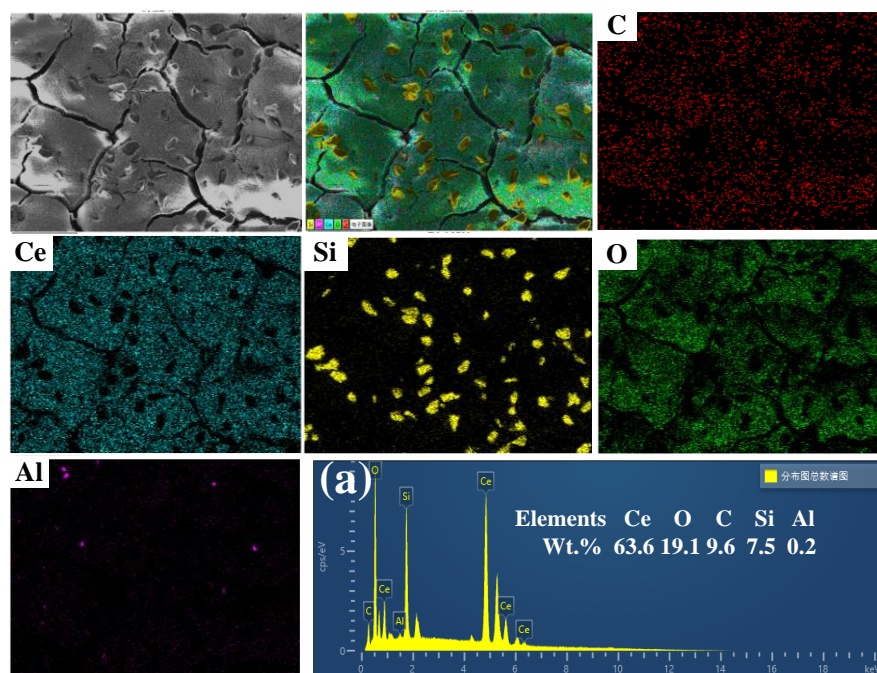


Figure S4. The EDS results of the first step electrodeposited surface of the ED2 sample.

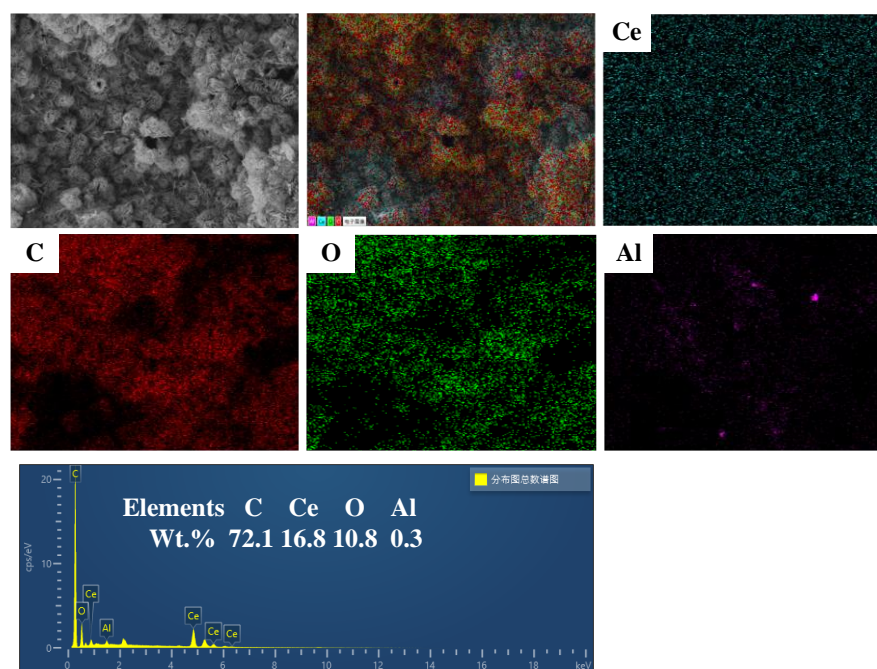


Figure S5. The EDS results of the surface of the ED3 sample.

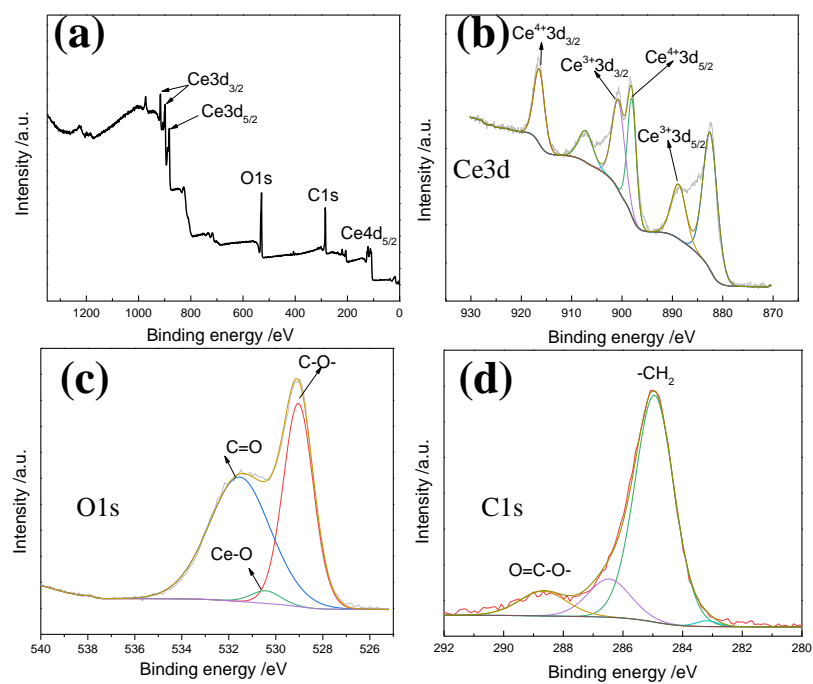


Figure S6. The XPS results of first step electrodeposited surface of the ED2 sample.

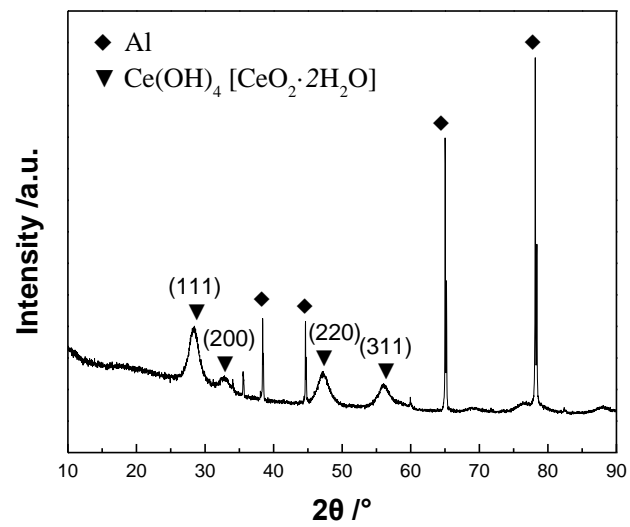


Figure S7. The XRD results of first step electrodeposited surface of the ED2 sample.