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**Ultrafast one step construction of non-fluorinated
superhydrophobic aluminum surfaces with remarkable
improvement of corrosion resistance and anti-contamination**

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Abstract

The potential marine corrosion-resistant and anti-biofouling applications of superhydrophobic materials arouse tremendous attention of researchers and engineers. Herein, we report an ultrafast (~120 s) and eco-friendly one step electrodeposition strategy to construct fluorine-free superhydrophobic aluminum surface with

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