

Enhancing the combustion of nAl with AlF₃ coating: gas-solid reaction mechanism for reducing combustion agglomeration of Al powder

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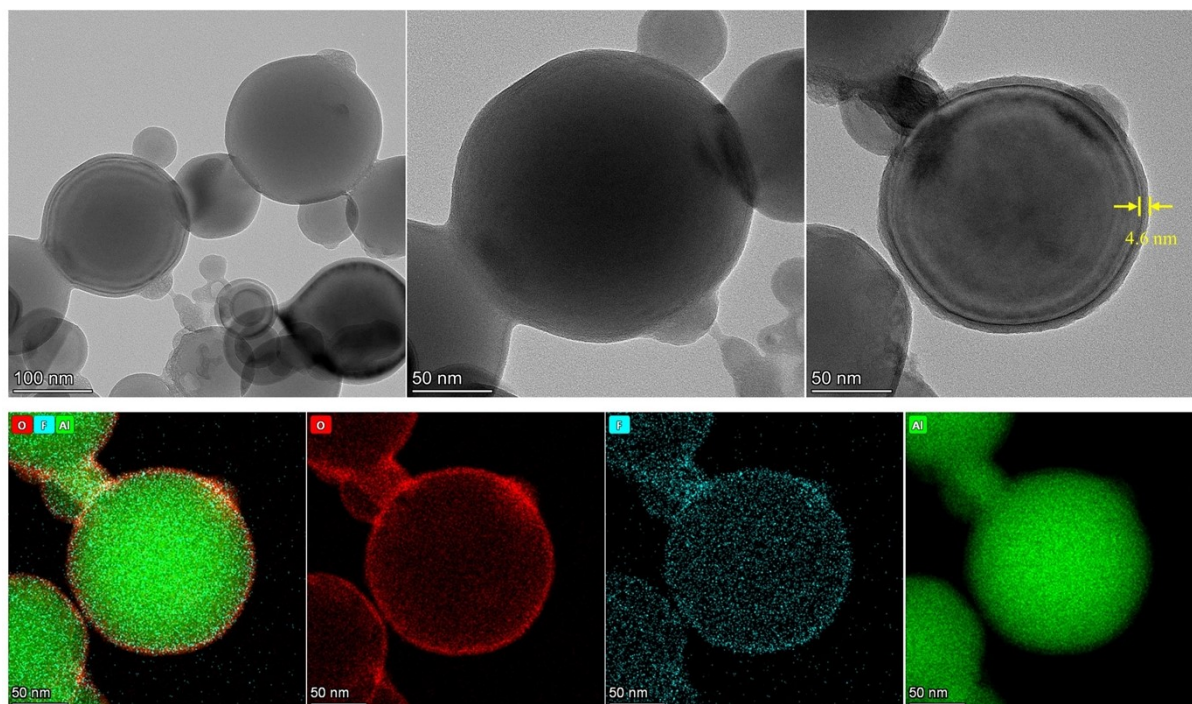


Fig. S1. TEM and EDS images of nAl@AlF₃-1.

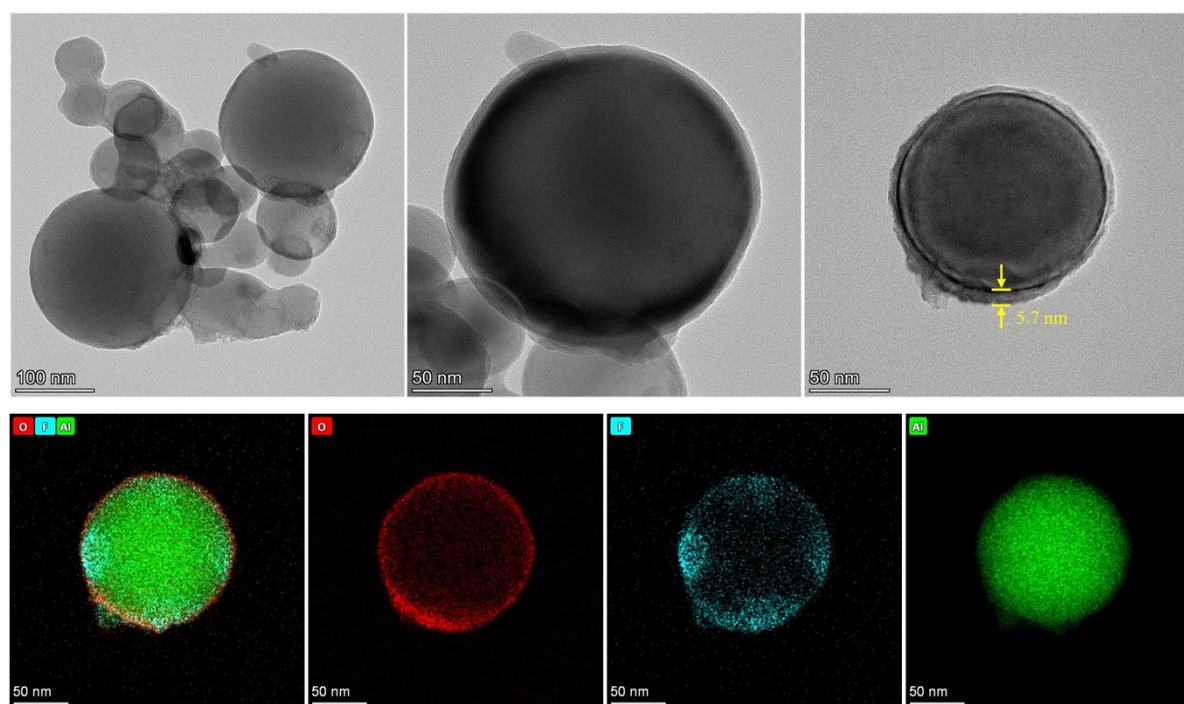


Fig. S2. TEM and EDS images of nAl@AlF₃-3.

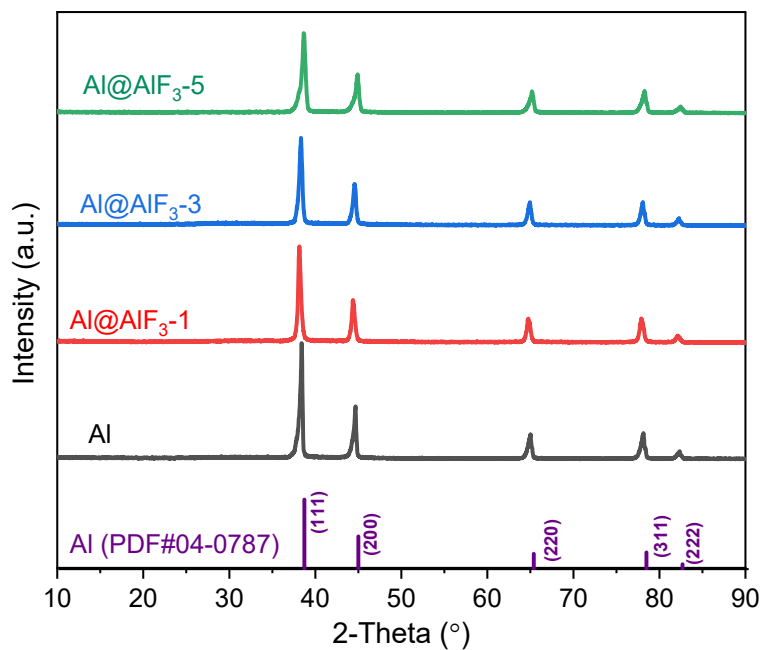


Fig. S3. XRD patterns of raw nAl and three types nAl@AlF₃ samples.

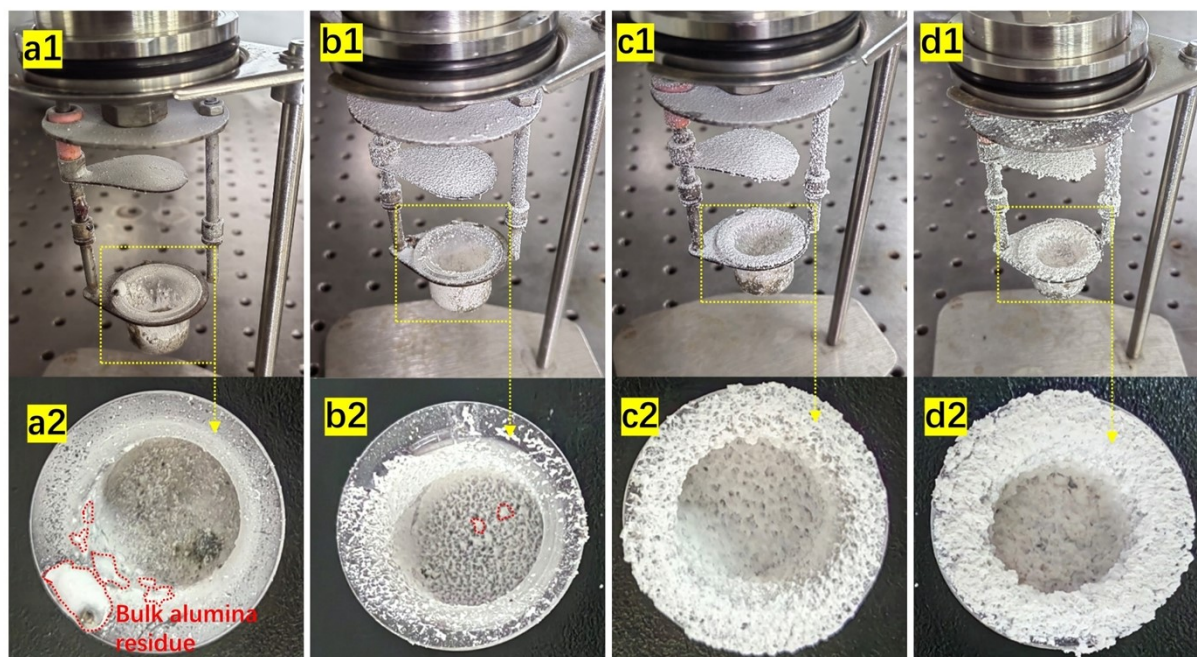


Fig. S4. The macroscopic morphology of the residues after oxygen bomb testing, left to right is nAl, nAl@AlF₃-1, nAl@AlF₃-3, nAl@AlF₃-5, respectively.

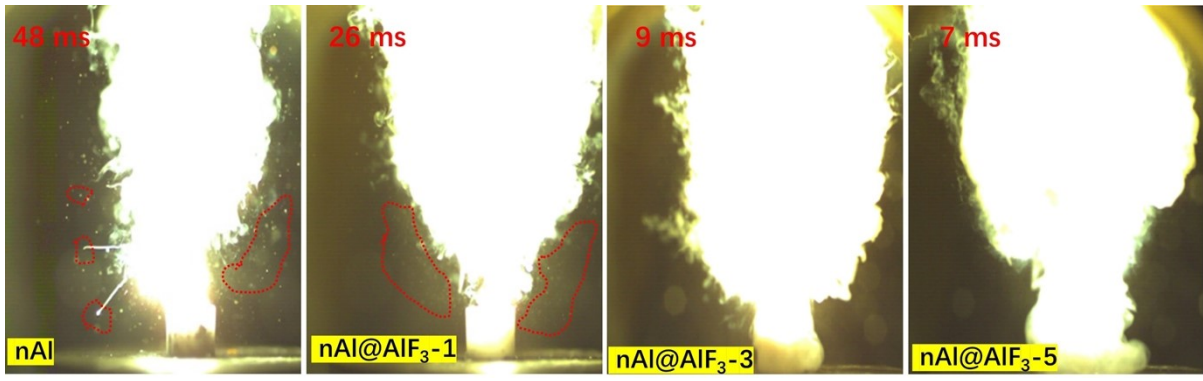


Fig. S5. High resolution image of typical flames in stability stage.