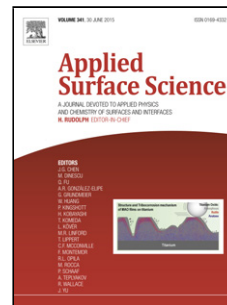


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Title: Enhanced Active Aluminum Content and Thermal behaviour of Nano-Aluminum Particles Passivated during synthesis using Thermal Plasma Route

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Highlights

- Synthesis of nano crystalline Al (n Al) using DC thermal plasma reactor.
- In situ passivation of n Al by palmitic acid and air.
- Enhanced active aluminum content obtained for palmitic acid passivated nAl.
- Palmitic acid passivated nAl are quite stable in humid atmospheres.

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