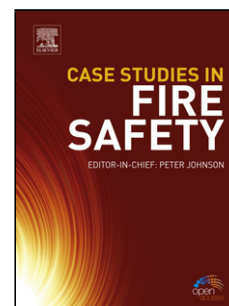


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Oxidation behaviour of Nb-rich Ni-Cr-Fe alloys: Role and effect of carbides precipitates

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Highlights

- The formation of carbide precipitates in Nb-rich Ni-Cr-Fe alloys shows a great impact on the oxidation behavior of alloys.
- NbC precipitates at grain boundaries are crucial for the preferential oxidation of Cr.
- Preventing NbC formation or favouring (Ti,Nb)C formation is detrimental for oxidation behaviour.

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