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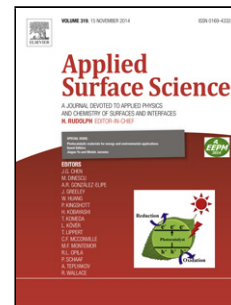
Title: Effect of surface crystallographic orientation on the oxidation behavior of Ni-based alloy

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PII: S0169-4332(14)02624-5
DOI: <http://dx.doi.org/doi:10.1016/j.apsusc.2014.11.126>
Reference: APSUSC 29172

To appear in: *APSUSC*

Received date: 20-6-2014
Revised date: 6-10-2014
Accepted date: 21-11-2014



Please cite this article as: X. Wang, S. J.A., L. Zhang, Effect of surface crystallographic orientation on the oxidation behavior of Ni-based alloy, *Applied Surface Science* (2014), <http://dx.doi.org/10.1016/j.apsusc.2014.11.126>

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Highlights

- We attempted to find a more direct way to study the effect of orientation on the initial oxidation behavior of materials.
- EBSD orientation maps before and after oxidation were compared at the same area.
- The degree of crystallographic orientation dependence was quantitatively analyzed by grains deviation angle from ideal principle $\langle 111 \rangle$ orientation.

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