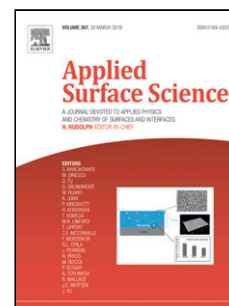


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Title: Water dissociation on silica in the presence of atomic platinum.

Authors: Klett, Joachim Elger, Benjamin Krähling, Stephan Kaiser, Bernhard Jaegermann, Wolfram Schäfer, Rolf



PII: S0169-4332(16)30477-9
DOI: <http://dx.doi.org/doi:10.1016/j.apsusc.2016.03.041>
Reference: APSUSC 32807

To appear in: *APSUSC*

Received date: 26-1-2016
Accepted date: 6-3-2016

Please cite this article as: Klett, Joachim, Elger, Benjamin, Krähling, Stephan, Kaiser, Bernhard, Jaegermann, Wolfram, Schäfer, Rolf, Water dissociation on silica in the presence of atomic platinum., *Applied Surface Science* (2016), <http://dx.doi.org/10.1016/j.apsusc.2016.03.041>

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Highlights:

- Synchrotron XPS study of water on silica surfaces
- Direct observation of surface hydroxylation accompanied with defect generation
- Modified surface reactions upon deposition of atomic platinum
- Generation of platinum induced defect states stable at room temperature

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