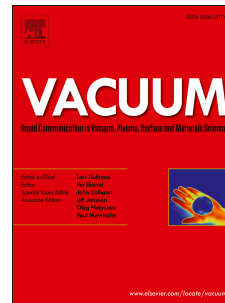


Accepted Manuscript

Optimization of self-propagating reaction properties through Al-molar ratios in ternary Titanium-Silicon-Aluminum reactive multilayer films

Seema Sen, Markus Lake, Peter Schaaf



PII: S0042-207X(18)30789-9

DOI: [10.1016/j.vacuum.2018.07.033](https://doi.org/10.1016/j.vacuum.2018.07.033)

Reference: VAC 8124

To appear in: *Vacuum*

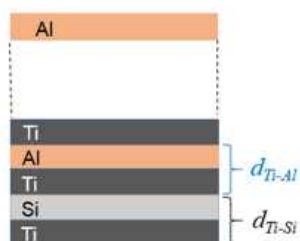
Received Date: 12 May 2018

Revised Date: 13 June 2018

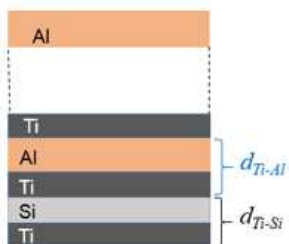
Accepted Date: 23 July 2018

Please cite this article as: Sen S, Lake M, Schaaf P, Optimization of self-propagating reaction properties through Al-molar ratios in ternary Titanium-Silicon-Aluminum reactive multilayer films, *Vacuum* (2018), doi: 10.1016/j.vacuum.2018.07.033.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

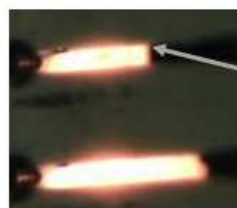
*Ternary multilayer design**Self-propagating reaction*

Ti/Si/Ti/Al

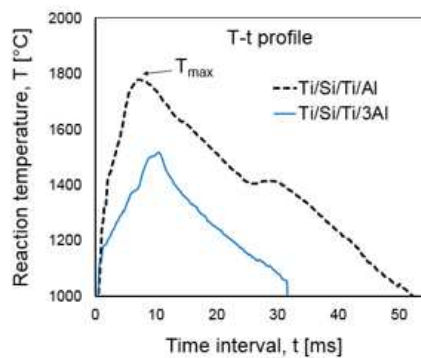


Ti/Si/Ti/3Al

Ignition



Reaction front propagation



Reaction temperature

ACCEPTED MANUSCRIPT

Download English Version:

<https://daneshyari.com/en/article/8044018>

Download Persian Version:

<https://daneshyari.com/article/8044018>

[Daneshyari.com](https://daneshyari.com)