

Accepted Manuscript

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PII: S0257-8972(18)30161-0
DOI: <https://doi.org/10.1016/j.surfcoat.2018.02.043>
Reference: SCT 23114
To appear in: *Surface & Coatings Technology*
Received date: 15 July 2017
Revised date: 9 December 2017
Accepted date: 12 February 2018

Please cite this article as: Songfeng E, Xiaolong Zhang, Chaowei Li, Xiaoyang Long, Zhuo Li, Shuanhong Ma, Qiulong Li, Renjie Geng, Weibang Lu, Yagang Yao , Tribological characteristics of boron nitride nanosheets on silicon wafers obtained by the reaction of MgB₂ and NH₃. The address for the corresponding author was captured as affiliation for all authors. Please check if appropriate. Sct(2017), <https://doi.org/10.1016/j.surfcoat.2018.02.043>

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Tribological characteristics of boron nitride nanosheets on silicon wafers obtained by the reaction of MgB_2 and NH_3

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Abstract

Boron nitride nanosheets (BNNSs) are a structural analogue of graphene that are thought to exhibit good tribological performances, due to their typical laminated structure. However, the tribological properties of pure solid BNNSs have not been thoroughly researched, which may be resulted from the lack of knowledge regarding the synthesis of this special two-dimensional (2D) material. In this work, BNNSs

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