

Accepted Manuscript

Simultaneous enhancement in thermoelectric performance and mechanical stability of p-type SiGe alloy doped with Boron prepared by mechanical alloying and spark plasma sintering

R. Murugasami, P. Vivekanandhan, S. Kumaran, R. Suresh Kumar, T. John Tharakan



PII: S0925-8388(18)33258-4

DOI: [10.1016/j.jallcom.2018.09.029](https://doi.org/10.1016/j.jallcom.2018.09.029)

Reference: JALCOM 47448

To appear in: *Journal of Alloys and Compounds*

Received Date: 31 May 2018

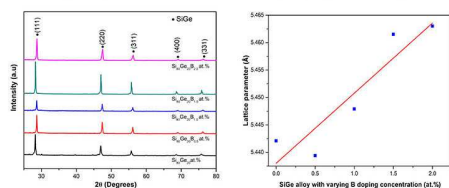
Revised Date: 21 August 2018

Accepted Date: 2 September 2018

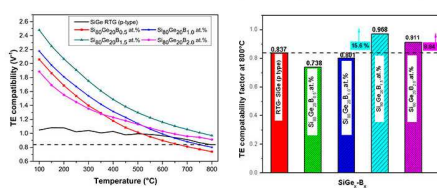
Please cite this article as: R. Murugasami, P. Vivekanandhan, S. Kumaran, R. Suresh Kumar, T. John Tharakan, Simultaneous enhancement in thermoelectric performance and mechanical stability of p-type SiGe alloy doped with Boron prepared by mechanical alloying and spark plasma sintering, *Journal of Alloys and Compounds* (2018), doi: 10.1016/j.jallcom.2018.09.029.

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.

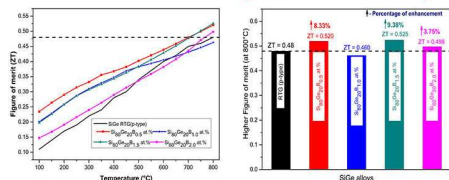
Spark plasma sintered SiGe alloys (doped with B)



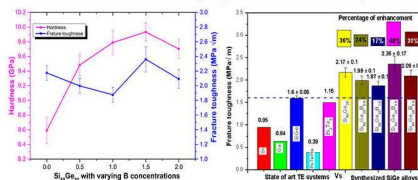
Enhanced thermoelectric compatibility factor SiGe alloys



Enhanced thermoelectric Figure of merit of SiGe alloys



Enhanced mechanical properties of SiGe alloys



Download English Version:

<https://daneshyari.com/en/article/11020037>

Download Persian Version:

<https://daneshyari.com/article/11020037>

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