



Cite this: *Nanoscale*, 2019, **11**, 18900

DOI: 10.1039/c9nr90216c
rsc.li/nanoscale

Expression of concern: Controllable 2H-to-1T' phase transition in few-layer MoTe₂

Michaela Mühlberg

Expression of concern for 'Controllable 2H-to-1T' phase transition in few-layer MoTe₂' by Yuan Tan *et al.*, *Nanoscale*, 2018, **10**, 19964–19971.

The following article 'Controllable 2H-to-1T' phase transition in few-layer MoTe₂' by Yuan Tan,^a Fang Luo,^b Mengjian Zhu,^{*b} Xiaolong Xu,^{c,d} Yu Ye,^{c,d} Bing Li,^e Guang Wang,^a Wei Luo,^a Xiaoming Zheng,^f Nannan Wu,^a Yayun Yu,^a Shiqiao Qin^b and Xue-Ao Zhang^{*a} has been published in *Nanoscale*. The article reports the laser irradiation-induced phase transition of few-layer MoTe₂ from the 2H to 1T' phase.

Nanoscale is publishing this expression of concern in order to alert our readers to the fact that we are presently unable to confirm the accuracy of the presented data based on the Raman spectra published in this article.

The authors are in the process of repeating the experiments as well as providing additional characterisation data to confirm the validity of the claims made in this publication. This notice will be updated when a conclusive outcome is reached.

Michaela Mühlberg
24th September 2019
Managing Editor, *Nanoscale*

