

Accepted Manuscript

Title: Using high numerical aperture objective lens in
micro-reflectance difference spectrometer

Author: Wanfu Shen Chunguang Hu Shuai Li Xiaotang Hu

PII: S0169-4332(16)32897-5

DOI: <http://dx.doi.org/doi:10.1016/j.apsusc.2016.12.166>

Reference: APSUSC 34713

To appear in: *APSUSC*

Received date: 31-7-2016

Revised date: 14-11-2016

Accepted date: 19-12-2016



Please cite this article as: Wanfu Shen, Chunguang Hu, Shuai Li, Xiaotang Hu, Using high numerical aperture objective lens in micro-reflectance difference spectrometer, *Applied Surface Science* (2016), <http://dx.doi.org/10.1016/j.apsusc.2016.12.166>

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.

- Investigating the anisotropic effect of high NA objective lens through mathematical approaches of vectorial ray-tracing method and Debye-Wolf integral.
- A micro-RDS based on liquid crystal variable retarder (LCVR) in the visible range was built.
- An in-situ calibration method was presented to effectively suppress the most easily induced asymmetric error.
- The broad band RD spectroscopy of black phosphorus film on Si/SiO₂ substrate was obtained.

Accepted Manuscript

Download English Version:

<https://daneshyari.com/en/article/5347733>

Download Persian Version:

<https://daneshyari.com/article/5347733>

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