



Chemometrics and Microanalytical Instrumentation

By Jin, Chunguang

Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | A case study of VOC determination with a sensor-array based MicroGC | Interpretation of complex data generated from modern hyphenated analytical instruments presents a challenge to analytical chemists. This book concerns the application of chemometric methods to responses obtained from arrays of planar microfabricated chemical sensors designed to respond reversibly to multiple volatile organic compounds (VOC). It addresses critical modeling and data analysis functions needed to guide the design and implementation of novel meso-scale and micro-scale instrumentation incorporating such arrays, which is intended for use in monitoring human exposures to complex VOC mixtures in occupational, residential, and ambient environments. Upstream chromatographic separation facilitates vapor recognition and quantification from the pattern of responses generated by a sensor array, and the work described is predicated on this pretreatment. | Format: Paperback | Language/Sprache: english | 345 gr | 252 pp.

DOWNLOAD



READ ONLINE
[9.53 MB]

Reviews

I actually started reading this article publication. We have read and that i am confident that i am going to planning to study yet again once again later on. You can expect to like how the author compose this pdf.

-- **Zoe Hilpert**

This book might be worthy of a go through, and a lot better than other. it had been writtern really properly and helpful. You may like just how the author write this publication.

-- **Prof. Mattie Beatty**