Handbook of Laser-Induced Breakdown Spectroscopy. 2nd Edition

Description: This fully updated new edition of the Handbook of Laser-Induced Breakdown Spectroscopy presents:

- Comprehensive coverage of the basic principles of LIBS methodology
- A discussion of the many advantages of the method, along with limitations, providing a balanced overview of its capabilities
- The different types of components that can be used for LIBS apparatuses
- The methods of sampling in different media
- An overview of real-world applications of the method.

The authors have included in this second edition:

- New chapters on:
  - the rapidly growing area of chemometric-based analysis of LIBS spectra for the identification of complex materials
  - some of the latest LIBS applications including design and capabilities of an open path stand-off instrument
  - End-of-chapter Problems to challenge the reader’s understanding
  - Updated data tables related to analysis using LIBS
  - A new Appendix showing annotated LIBS spectra

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