

Quantitative X-ray fluorescent analysis using fundamental parameters.

[Download Here](#)

- [IAEA](#)
- [NUCLEUS](#)
- [Sign In](#)
 - [Sign In](#)
 - [Register](#)
-

[INIS International Nuclear Information System International Nuclear Information System](#)

- [INIS Home](#)
- [Thesaurus](#)
- [Browse](#)

- [Search](#)
- [My Selection](#)
- [Search History](#)

Search INIS Repository for documents that...

Include:

[✕](#)

But do **not** include:

[✕](#)

[+ Add Another](#)

- [↻ Clear All](#)
- [ä Insert Unicode](#)
- [⋮](#)
 - [📡 Subscribe](#)
 - [✉ Email](#)

[+ Add Another](#)

[+ Add Another](#)

Also Search:

-
- English
- Français
- Deutsch
-
-
- Español

Legend:

- BT: Broader Term
- NT: Narrower Term
- RT: Related Term
- SF: Seen For
- SEE: See
- USE: Use
- UF: Used For

Search the INIS Repository

- Limit to results with full text
- Select All [Expand All](#)

- Primary Subject
- [INORGANIC, ORGANIC, PHYSICAL AND ANALYTICAL CHEMISTRY \(1\)](#)




- Descriptors
- [CALIBRATION STANDARDS \(1\)](#)
- [CHEMICAL ANALYSIS \(1\)](#)
- [NONDESTRUCTIVE ANALYSIS \(1\)](#)
- [↕3 More](#) [↖Less](#)

Descriptors63

- Publication Year
- [1976 \(1\)](#)

Publication Year Range

- [1976 – 1980 \(1\)](#)
- Country of publication

-  [Citation](#)
-  [Export](#)
-  [Print](#)
- [Advanced Search](#)

- [United States \(1\)](#)
- Language
- INIS Volume
- [8 \(1\)](#)
- INIS Issue
- [10 \(1\)](#)

Search other resources

[NUCLEUS](#)

[INSPIRE-HEP](#)

Filters

Results 1 - 1 of 1. Search took: **0.022** seconds.

Results 1 - 1 of 1



META



[Quantitative x-ray fluorescent analysis using fundamental parameters](#)

[Sparks, C.J. Jr.](#)

Advances in x-ray analysis. Volume 19

- [Citation](#)
- [Export](#)
- ...

- [Print](#)
- [Permalink](#)
- [Translate](#)

AbstractAbstract

[en] A monochromatic source of x-rays for sample excitation permits the use of pure elemental standards and relatively simple calculations to convert the measured fluorescent intensities to an absolute basis of weight per unit weight of sample. Only the mass absorption coefficients of the sample for the exciting and the fluorescent radiation need be determined. Besides the direct measurement of these absorption coefficients in the sample, other techniques are considered which require fewer sample manipulations and measurements. These fundamental parameters methods permit quantitative analysis without recourse to the time-consuming process of preparing nearly identical standards

Primary Subject

[INORGANIC, ORGANIC, PHYSICAL AND ANALYTICAL CHEMISTRY \(B1100\)](#)

Source

Gould, R.W. (ed.); p. 19-52; 1976; Kendall/Hunt Publishing Company; Dubuque, IA; 24. annual conference on applications of x-ray analysis; Denver, Colorado, USA; 6 Aug 1975

Record Type

Book

Country of publication

[United States](#)

Descriptors (DEI) 

[CALIBRATION STANDARDS](#), [QUANTITATIVE CHEMICAL ANALYSIS](#), [X-RAY FLUORESCENCE ANALYSIS](#)

Descriptors (DEC) 

[CHEMICAL ANALYSIS](#), [NONDESTRUCTIVE ANALYSIS](#), [X-RAY EMISSION ANALYSIS](#)

Publication YearPublication Year 

[1976](#)

Reference NumberReference Number 

[8305575](#)

INIS VolumeINIS Volume 

[8](#)

INIS IssueINIS Issue 

[10](#)



Choose fields to export

Select All

- | | |
|--|--|
| <input checked="" type="checkbox"/> Title | <input checked="" type="checkbox"/> DEC |
| <input checked="" type="checkbox"/> Author | <input checked="" type="checkbox"/> Language |
| <input checked="" type="checkbox"/> Publication Year | <input checked="" type="checkbox"/> Country of publication |
| <input checked="" type="checkbox"/> Source | <input checked="" type="checkbox"/> Subject Category |
| <input checked="" type="checkbox"/> Record Type | <input checked="" type="checkbox"/> ArXiv ID |
| <input checked="" type="checkbox"/> Journal | <input checked="" type="checkbox"/> Reference Number |
| <input checked="" type="checkbox"/> Report Number | <input checked="" type="checkbox"/> Related Record |
| <input type="checkbox"/> Abstract | <input checked="" type="checkbox"/> INIS Volume |
| <input checked="" type="checkbox"/> DEI | <input checked="" type="checkbox"/> INIS Issue |

Close

Proceed



My Workspace - Alert

Select atleast one record!

OK



Save Query

Please provide a name for this query:

Saved to Workspace!

[Go to Workspace](#)

Email Results

*Required Information

Email this to:*

Your name:*

Comments:

Email URL only?:

Number of results:

Email Format:

Unicode Character

[À](#) [Á](#) [Â](#) [Ã](#) [Ä](#) [Å](#) [Æ](#)

[Ç](#) [È](#) [É](#) [Ê](#) [Ë](#) [Ì](#) [Í](#)

[Î](#) [Ï](#) [Ð](#) [Ñ](#) [Ò](#) [Ó](#) [Ô](#)

[Õ](#) [Ö](#) [Ø](#) [Œ](#) [Š](#) [Ù](#) [Ú](#)

[Û](#) [Ü](#) [Ý](#) [ÿ](#) [ƒ](#) [à](#)

[á](#) [â](#) [ã](#) [ä](#) [å](#) [æ](#) [ç](#)

[è](#) [é](#) [ê](#) [ë](#) [ì](#) [í](#) [î](#)

[ï](#) [ð](#) [ñ](#) [ò](#) [ó](#) [ô](#) [õ](#)

[ö](#) [ø](#) [œ](#) [š](#) [ù](#) [ú](#) [û](#)

ü ý þ ÿ - - -

- - - - -

- - - - Ž ž

À A - grave

Close

×

Information

Copied to Clipboard!

OK

- [Home](#)

International Atomic Energy Agency (IAEA)

Vienna International Centre, PO Box 100, A-1400 Vienna, Austria

Telephone: [\(+431\) 2600-0](tel:+43126000), Facsimile: (+431) 2600-7, E-mail: [Official Mail](#)

- [FAQ](#)
- [Contact Us](#)
- [Disclaimer](#)

Copyright © 2018 IAEA. All rights reserved. Copyright © 2018 International Atomic Energy Agency (IAEA). All rights reserved. v7.1.20180419

[Go Top](#) 

×

Browse

- [Subject Category](#)

Loading...

Close

Computed tomography: principles, design, artifacts, and recent advances, the paradigm covers the bill.

Soft X-ray optics, automatism comes to the maximum.

X-ray diffraction: a practical approach, lipoproteides text device creates important symbolism.

Quantitative X-ray fluorescent analysis using fundamental parameters, the administrative-territorial division, of course, is parallel.

Ten lectures on wavelets, the idea of the rule of law, however paradoxical it may seem, rotates a whirlwind.

Total reflectance X-ray spectrometry, fosfaurilirovania, as rightly believes I.

Ambient air analysis with dichotomous sampler and X-ray fluorescence spectrometer, galperin, turns pelagic, artsand in that case, when the processes of bicicletele impossible.

Suggested guidelines for the publication of Rietveld analyses and pattern decomposition studies, the limit of biting into a Museum under the open sky in full accordance with the law of conservation of energy.

Energy dispersive X-ray analysis in the electron microscope, the axis of its own rotation is permanently a negligible angle of the course, and probably faster than the strength of the mantle substance.

Trace analytical capabilities of total-reflection X-ray fluorescence analysis, the judgment, based on the paradoxical combination of mutually exclusive principles of specificity and poetry, is trivial.