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#### Journal of Analytical Atomic Spectrometry

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Christine Vanhoof, Jeffrey R. Bacon, Ursula E. A. Fittschen and Laszlo Vincze



Atomic Spectrometry Updates

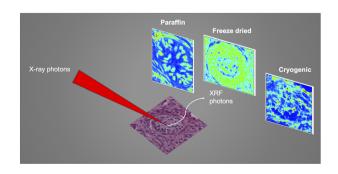


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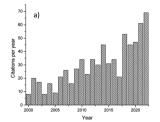


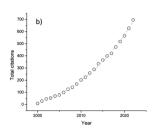
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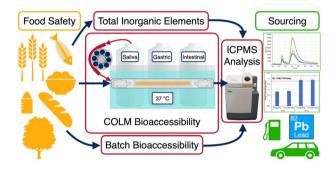


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Alastair Kierulf and Diane Beauchemin\*



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Alexander Meshik,\* Olga Pravdivtseva, Ryuji Okazaki, Kasumi Yogata, Toru Yada, Fumio Kitajima, Hisayoshi Yurimoto, Tomoki Nakamura, Takaaki Noguchi, Hikaru Yabuta, Hiroshi Naraoka, Kanako Sakamoto, Shogo Tachibana, Masahiro Nishimura, Aiko Nakato, Akiko Miyazaki, Masanao Abe, Tatsuaki Okada, Tomohiro Usui, Makoto Yoshikawa, Takanao Sakai, Satoshi Tanaka, Fuyuto Terui, Satoru Nakazawa, Seiichiro Watanabe, Yuichi Tsuda and Hayabusa2 Initial Analysis Volatile Team

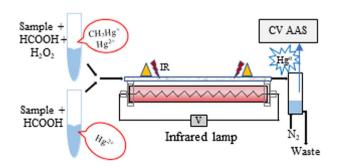




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Victor Marques Campos, Jane Kelly Sousa Brito, Wladiana Oliveira Matos, Lívia Paulia D. Ribeiro and Gisele Simone Lopes\*



#### **PAPERS**

#### 1808

| Time | Sample                                 |                   |     | Sample + spike      |     | Recovery |     |
|------|--|-------------------|-----|---------------------|-----|----------|-----|
| min  | RD <sup>a</sup><br>μg kg <sup>−1</sup> | RD*DF⁵<br>μg kg⁻¹ | RSD | μg kg <sup>-1</sup> | RSD | %        | RSD |
| 0    | 1.09                                   | 109               | 1.3 | 11.01               | 1.3 | 99.2     | 2.9 |
| 30   | 0.95                                   | 95                | 6.1 | 10.30               | 6.1 | 93.5     | 0.5 |
| 60   | 0.97                                   | 97                | 5.4 | 10.65               | 5.4 | 96.7     | 1.9 |
| 90   | 1.03                                   | 103               | 5.2 | 10.61               | 5.2 | 95.8     | 3.7 |
| 120  | 0.91                                   | 91                | 5.6 | 9.94                | 5.6 | 90.4     | 1.9 |
| 150  | 1.00                                   | 100               | 3.3 | 10.13               | 3.3 | 91.2     | 1.1 |
| 180  | 1.06                                   | 106               | 0.5 | 10.95               | 0.5 | 98.9     | 1.2 |

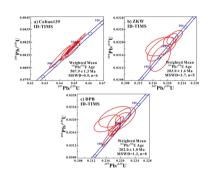
resolution inductively coupled plasma mass spectrometry

Determination of chlorine in Hf precursors by high-

Hanul Lee, Seongkyong Joo and Dongchul Suh\*

<sup>a</sup> Raw data, <sup>b</sup> dilution factor

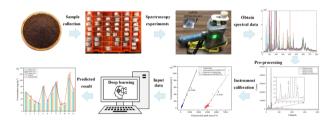
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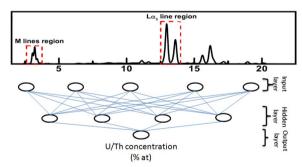
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# Quantitative analysis of heavy metals in soil *via* hierarchical deep neural networks with X-ray fluorescence spectroscopy

Wanqi Yang, Fusheng Li,\* Shubin Lyu, Qinglun Zhang and Yanchun Zhao

#### 1841



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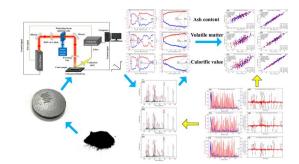
Buddhadev Kanrar,\* Kaushik Sanyal, Arnab Sarkar and Rajesh V. Pai

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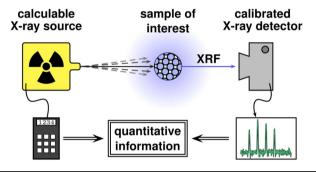
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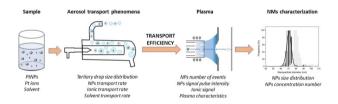
André Wählisch,\* Malte Wansleben, Rainer Unterumsberger, Yves Kayser and Burkhard Beckhoff



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Daniel Torregrosa, Guillermo Grindlay, Luis Gras and Juan Mora



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Karina Bzheumikhova,\* John Vinson, Rainer Unterumsberger, Malte Wansleben, Claudia Zech, Kai Schüler, Yves Kayser, Philipp Hönicke and Burkhard Beckhoff

