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ATOMIC SPECTROMETRY UPDATES

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Atomic spectrometry update: review of advances in the analysis of metals, chemicals and materials

Robert Clough, Andy Fisher,* Bridget Gibson and Ben Russell

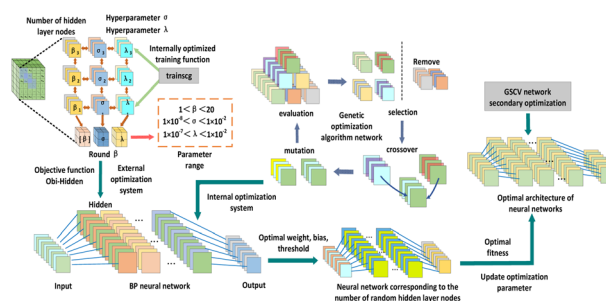


PAPERS

2280

Rapid classification of heavy metal soils from different mining areas by using a GSCV quadratic merit seeking network combined with MF-LIBS

Haoyu Jin, Xiaojian Hao* and Biming Mo



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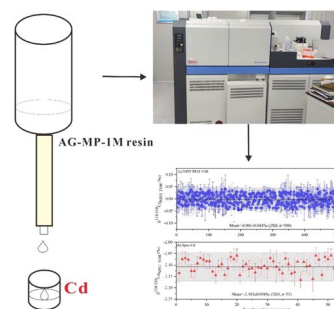


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A single-stage anion exchange separation method for Cd isotopic analysis in geological and environmental samples by MC-ICP-MS

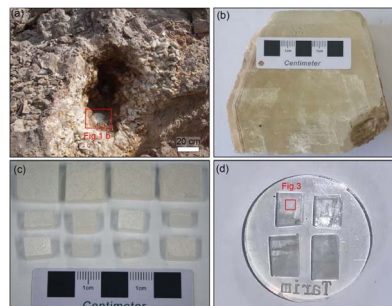
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TARIM calcite: a potential reference material for laser ICPMS *in situ* calcite U–Pb dating

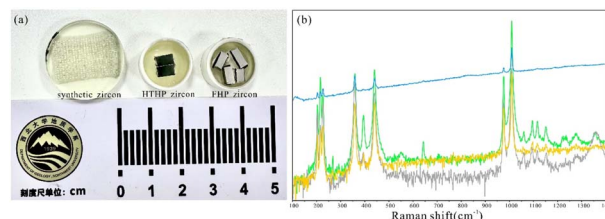
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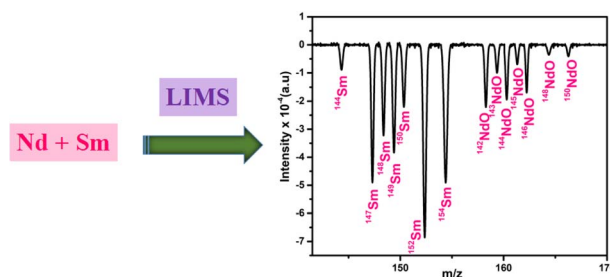
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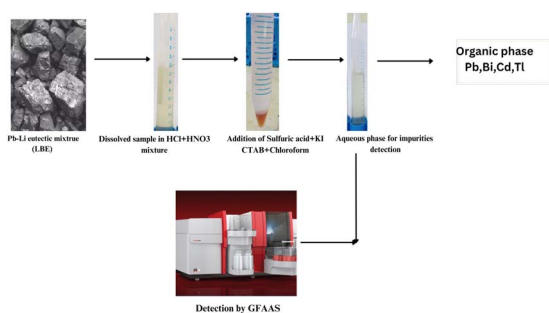
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Namitha Janardhanan, Ujjwal Kumar Maity, M. Joseph, P. Manoravi and N. Sivaraman*



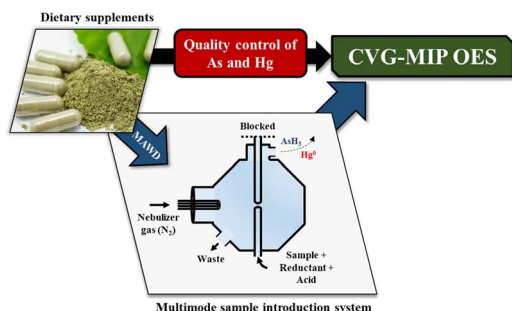
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Analysis of Pb-Bi eutectic after matrix separation by acid induced dispersive liquid-liquid microextraction followed by HR-CS-ETAAS determination

K. Madhavi, G. Venkateswarlu, N. N. Meeravali and A. C. Sahayam*

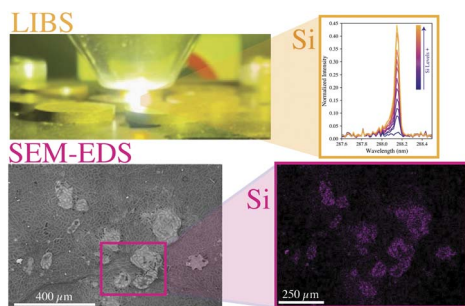
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Gustavo Rossato Bitencourt, Fabio Andrei Duarte, Valderi Luiz Dressler, Rodrigo Cordeiro Bolzan, Érico Marlon de Moraes Flores and Paola Azevedo Mello*

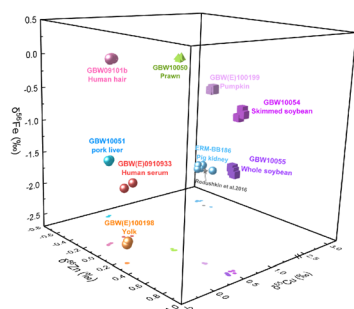
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Rapid screening of wood and leaf tissues: investigating silicon-based phytoliths in *Populus trichocarpa* for carbon storage applications using laser-induced breakdown spectroscopy and scanning electron microscopy–energy dispersive X-ray spectroscopy

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Iron, copper and zinc isotope compositions of biological reference materials determined by MC-ICP-MS

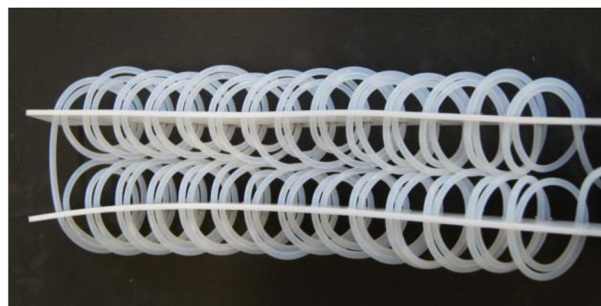
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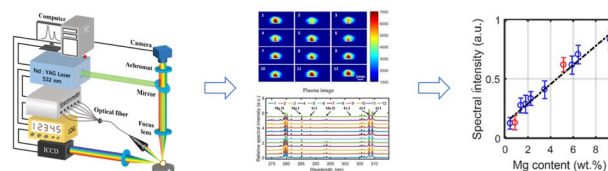
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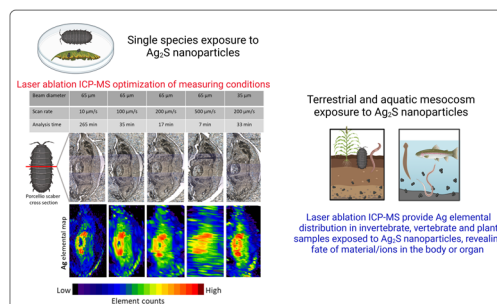
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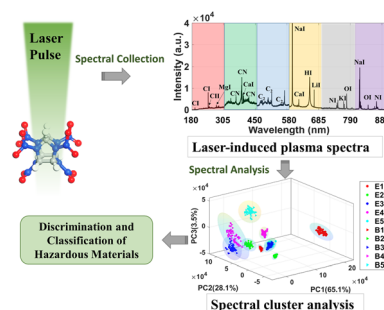
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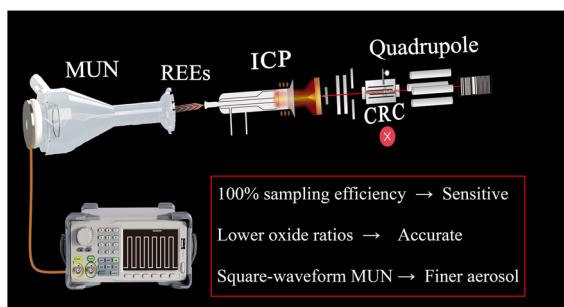
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Xianshuang Wang, Yage He, Ying Zhang, An Li, Xinyu Zhang, Xueyong Guo, Tonglai Zhang, Wei Guo, Ruibin Liu* and Yugui Yao*



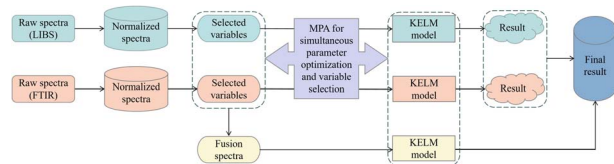
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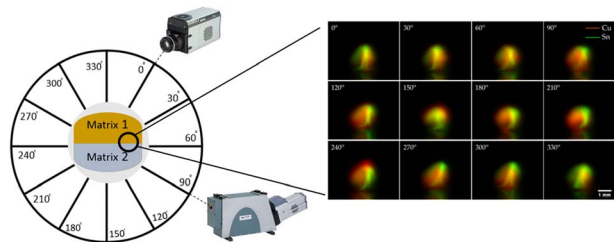
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Performing parameter optimization and variable selection simultaneously in Fourier transform infrared and laser-induced breakdown spectroscopy data fusion

Chunhua Yan,* Yuemei Su, Yijiang Liu, Tianlong Zhang and Hua Li*

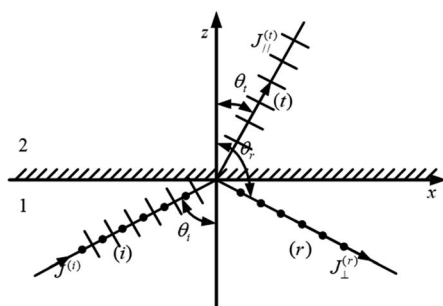
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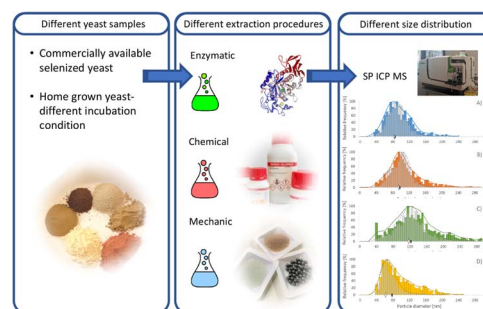
Jiang Xu,* Xiao Wang, Mingyin Yao and Muhua Liu*



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Critical evaluation of sample preparation for SP-ICP-MS determination of selenium nanoparticles in microorganisms – focus on yeast

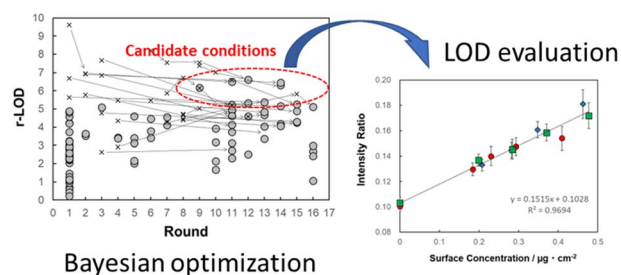
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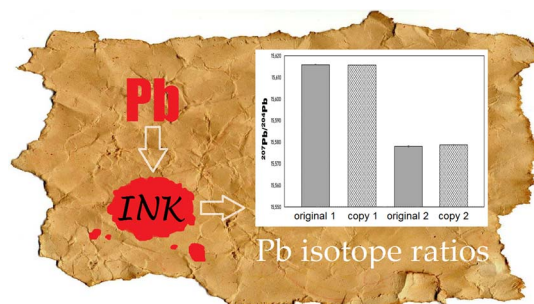
Tadatake Sato,* Kenichi Tashiro, Yoshizo Kawaguchi, Hideki Ohmura and Haruhisa Akiyama



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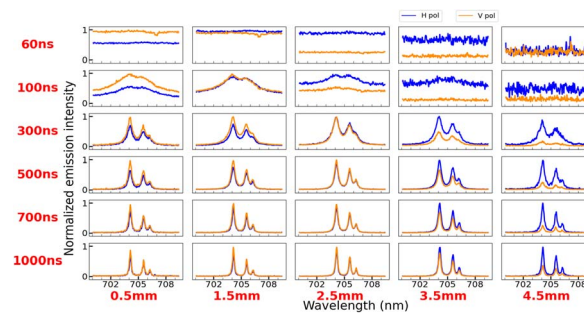
Jakub Karasiński,* Ewa Bulska, Ludwik Halicz, Andrii Tupys and Barbara Wagner



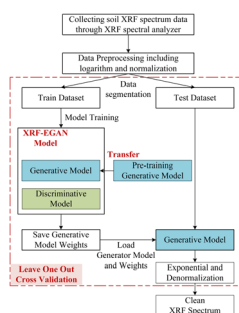
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Spatio-temporal dynamics of anisotropic emission from nano-second laser produced aluminium plasma

B. R. Geethika,* Jinto Thomas,* Milaan Patel, Renjith Kumar R. and Hem Chandra Joshi



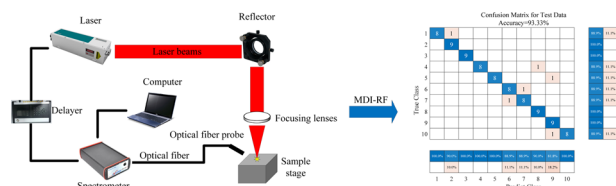
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A new technique for baseline calibration of soil X-ray fluorescence spectra based on enhanced generative adversarial networks combined with transfer learning

Xinghua He, Yanchun Zhao* and Fusheng Li

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Determination of soil source using laser induced breakdown spectroscopy combined with feature selection

Yu Ding,* Yan Shu, Ao Hu, Meiling Zhao, Jing Chen, Linyu Yang, Wenjie Chen and Yufeng Wang

