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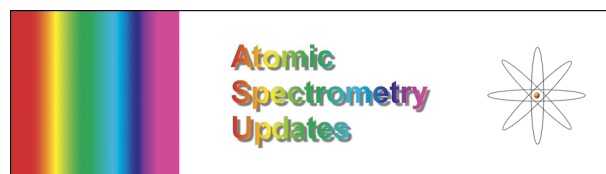
See Haoyu Jin, Xiaojian Hao *et al.*, pp. 2280–2290. Image reproduced by permission of Haoyu Jin, Xiaojian Hao and Biming Mo from *J. Anal. At. Spectrom.*, 2023, **38**, 2280.

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

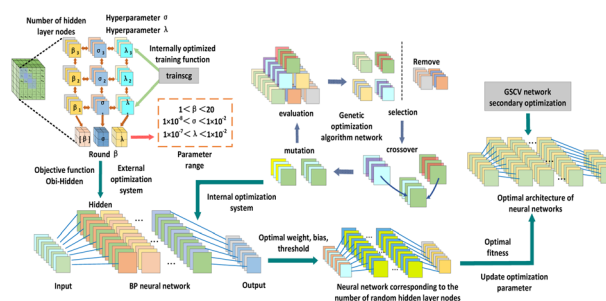


PAPERS

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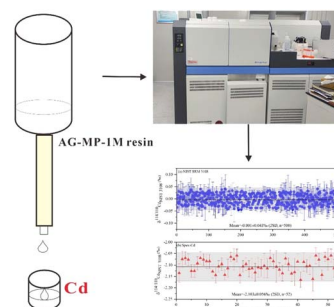
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A single-stage anion exchange separation method for Cd isotopic analysis in geological and environmental samples by MC-ICP-MS

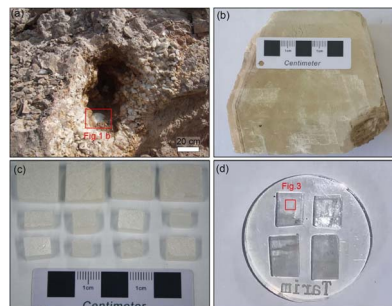
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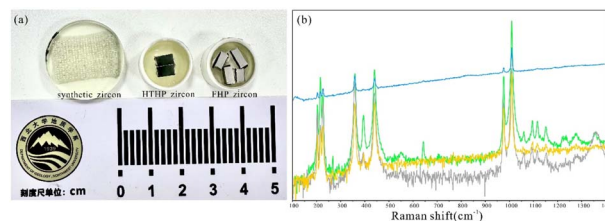
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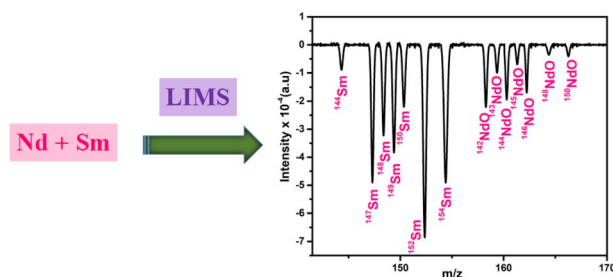
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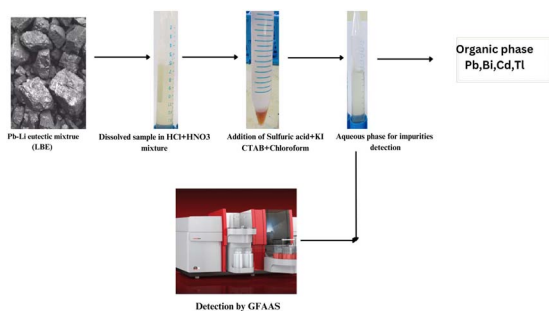
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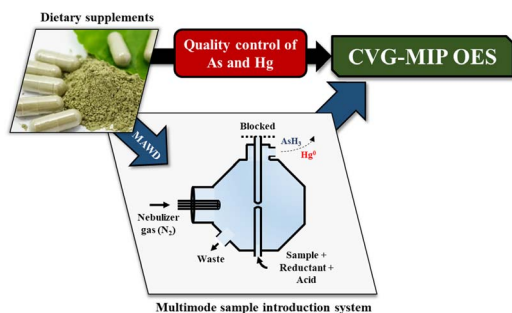
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K. Madhavi, G. Venkateswarlu, N. N. Meeravali and A. C. Sahayam*

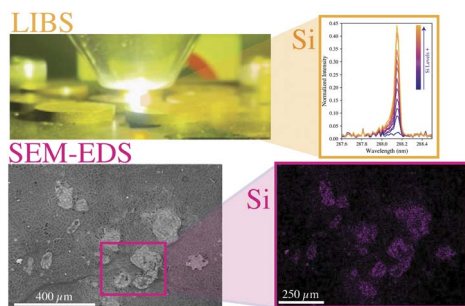
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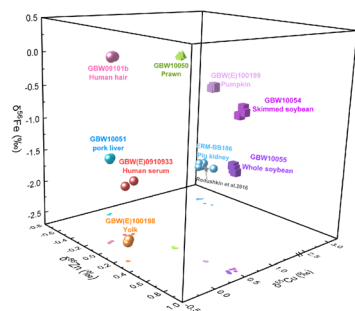
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Rapid screening of wood and leaf tissues: investigating silicon-based phytoliths in *Populus trichocarpa* for carbon storage applications using laser-induced breakdown spectroscopy and scanning electron microscopy–energy dispersive X-ray spectroscopy

Hunter B. Andrews,* Ann M. Wymore, E. E. Wetter, Elizabeth M. Herndon, Hui Li, Samir A. Martin, Natalie A. Griffiths, Xiaohan Yang, Wellington Muchero, David J. Weston and Madhavi Z. Martin

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

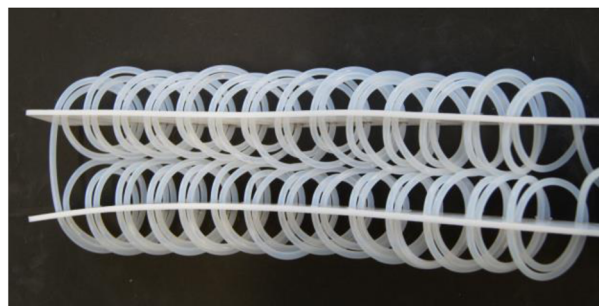
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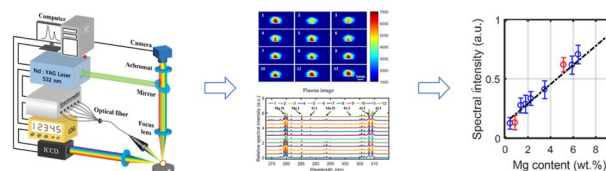
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A spectral standardization method based on plasma image-spectrum fusion to improve the stability of laser-induced breakdown spectroscopy

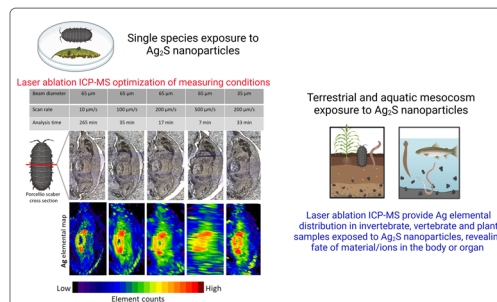
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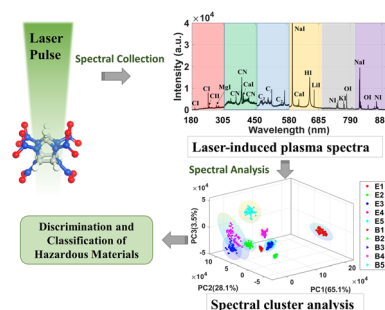
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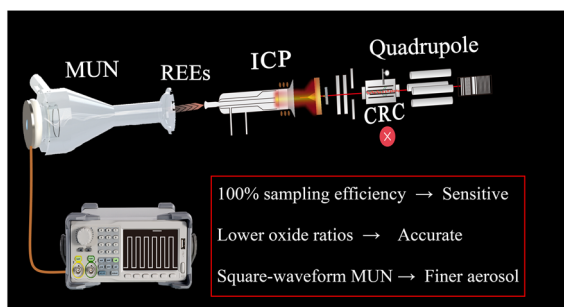
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Discrimination and classification of high explosives and other organic materials based on laser-induced plasma spectroscopy

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



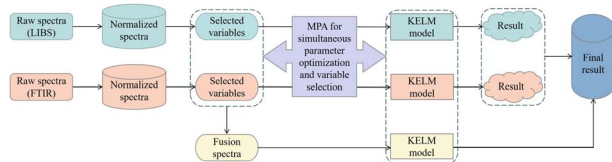
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Junhang Dong, Meihua Chen, Lujie Li, Pengju Xing, Shuyang Li, Zhe Zhang, Jingwen Zhang, Jinzhao Liu, Xing Liu, Wenkai Zhang, Huan Tian, Hongtao Zheng and Zhenli Zhu*

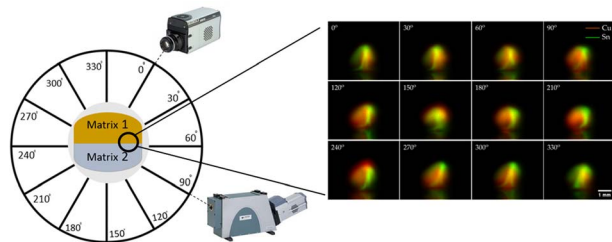
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Performing parameter optimization and variable selection simultaneously in Fourier transform infrared and laser-induced breakdown spectroscopy data fusion

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

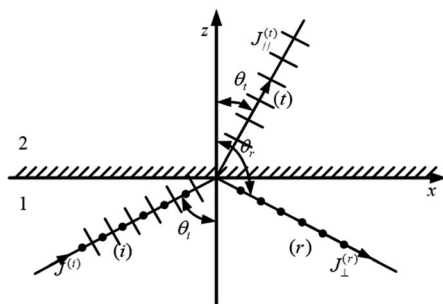
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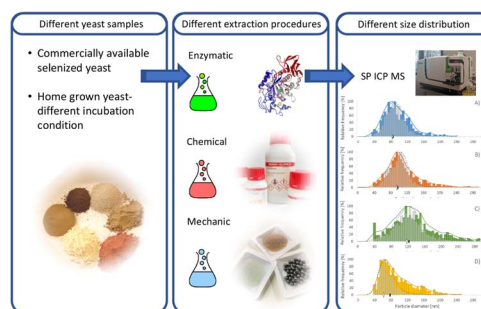
Jiang Xu,* Xiao Wang, Mingyin Yao and Muhua Liu*



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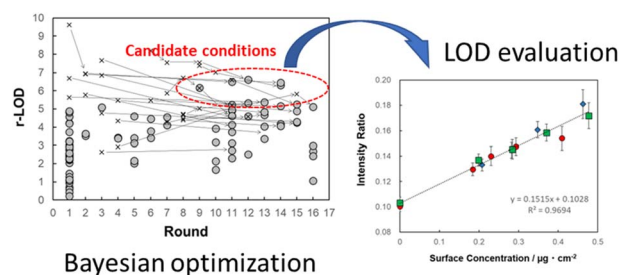
Adam Sajnóg, Katarzyna Bierała, Joanna Szpunar and Javier Jiménez-Lamana*



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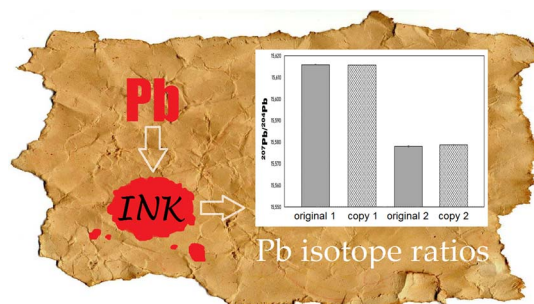
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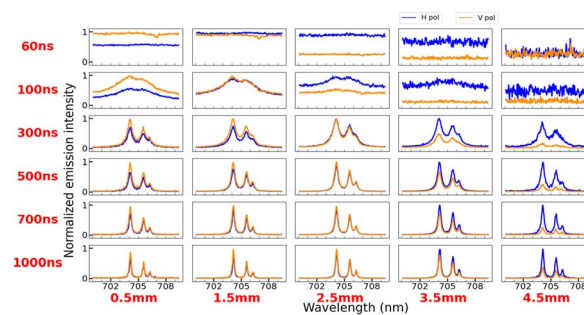
Jakub Karasiński,* Ewa Bulska, Ludwik Halicz, Andrii Tupys and Barbara Wagner



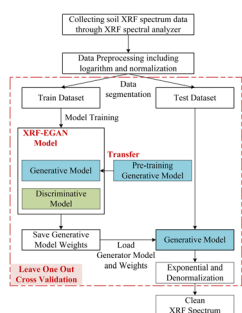
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Spatio-temporal dynamics of anisotropic emission from nano-second laser produced aluminium plasma

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



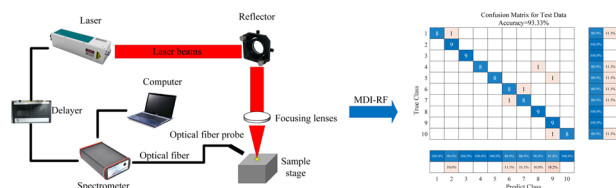
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Xinghua He, Yanchun Zhao* and Fusheng Li

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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

