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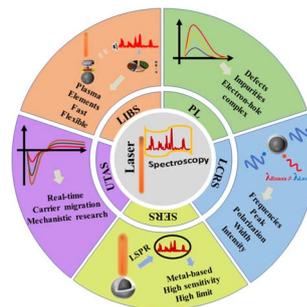
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See Cong Wang, Li Shen *et al.*, pp. 1549–1555. Image reproduced by permission of Li Shen from *J. Anal. At. Spectrom.*, 2023, **38**, 1549.

TUTORIAL REVIEW

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Prospects for the use of laser spectroscopy to characterize dye degradation photocatalyst nanoparticles: a review

Juntao Tan, Chuangkai Li, Boyuan Zhang, Minghuo Luo, Jiatong Liu, Jianquan Li, Zengzhou Yi, Zhiying Xu, Jiaming Li* and Qingmao Zhang

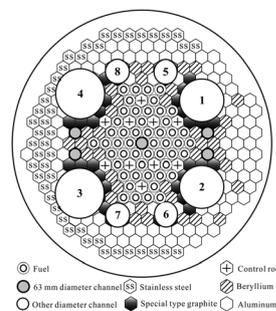


TECHNICAL NOTES

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Sample neutron irradiation with the Min Jiang Testing Reactor (MJTR): implications for high-precision $^{40}\text{Ar}/^{39}\text{Ar}$ dating

Wan-Feng Zhang,* Jun-Jie Li, De-Wen Zheng, Shou-Hua Sun, Yu-Fei Guo, Jia Zhang, Ming Xiao, Jun-Jie Wang, Yu-Lian Zhang, Ying-De Jiang and Yi-Gang Xu



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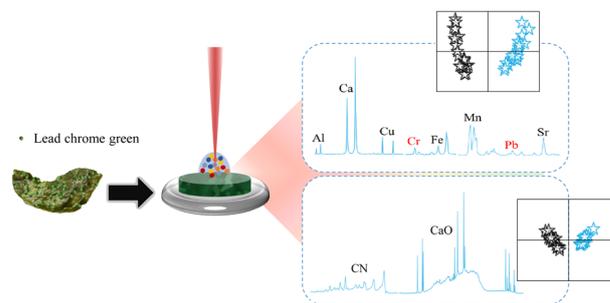


TECHNICAL NOTES

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Detection of lead chrome green in Tieguanyin tea by laser-induced breakdown spectroscopy

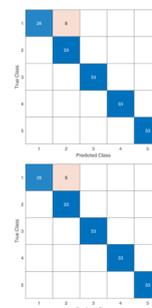
Jingwen Li, Yanting Wang, Lixing Yao, Cong Wang* and Li Shen*



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Classification of gaseous UF₆ assay by femtosecond LIBS in the 424.4 nm spectral region using numerical HOGSVD-DTW features

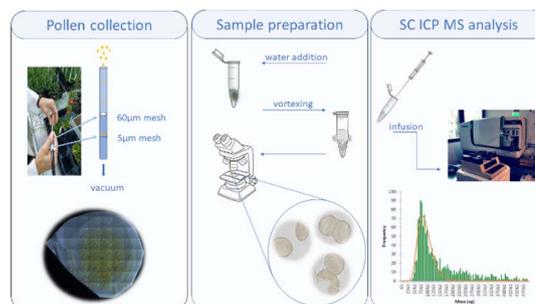
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Single cell ICP-MS as a powerful analytical tool to determine metal content in individual pollen grains

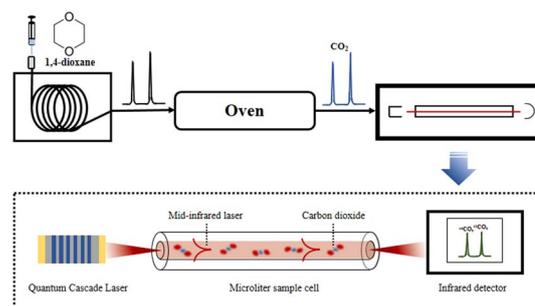
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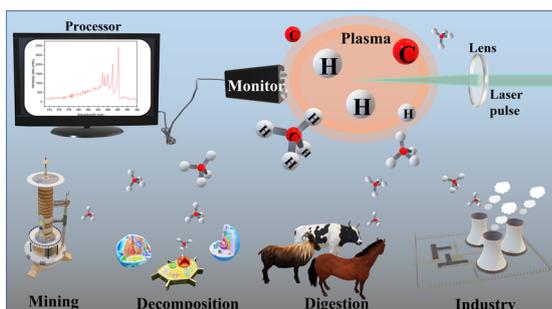
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An optical approach for compound specific carbon isotope analysis of 1,4-dioxane by liquid injection

Yi Liu, Di Zhu,* Jiyun Zhang, Zhe Shi, Wanlu Wu and Biao Jin*



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A quantitative analysis method for LIBS methane detection based on C and CN line competition—MEWE-SC equation

Zhuoyan Zhou, Yifan Ge, Xinyang Zhang, Minglei Yang, Zhongmou Sun and Yuzhu Liu*

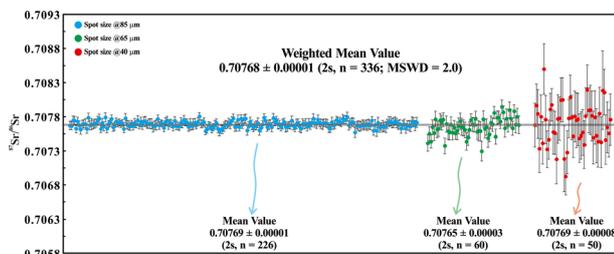
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Calibration free laser ablation molecular isotopic spectrometry (CF-LAMIS) for boron isotopic composition determination

Anandhu Mohan, Anannya Banerjee and Arnab Sarkar*

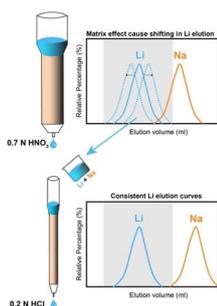
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A new reference material for O–Sr isotope determination in epidote using a micro-beam

Chao Huang,* Jingyuan Chen, Yueheng Yang, Liewen Xie, Shitou Wu, Lei Xu, Hao Wang and Jinhui Yang

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An efficient Li dual-column system and high-precision Li isotope measurement of high matrix and low-Li samples by MC-ICP-MS

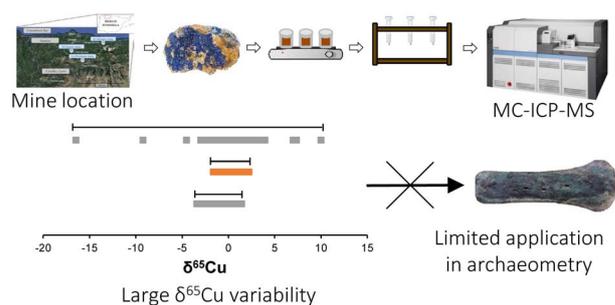
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Limitations in using the Cu isotopic composition of minerals from ancient copper mines for archaeometric purposes – a case study

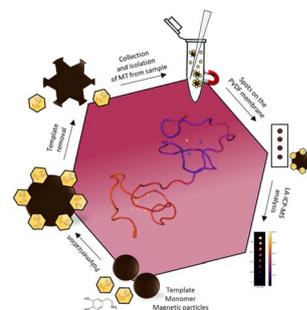
Pelayo Alvarez Penanes, Marta Costas-Rodríguez, Mariella Moldovan, Jose Ignacio García Alonso and Frank Vanhaecke*



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Detection of metallothionein as a melanoma marker by LA-ICP-MS combined with sample pretreatment by using magnetic particles coated with an imprinted polymeric layer

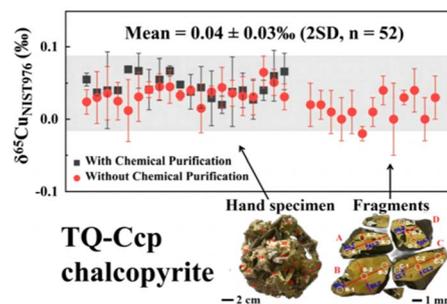
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A new potential natural chalcopyrite reference material for *in situ* copper isotope microanalysis

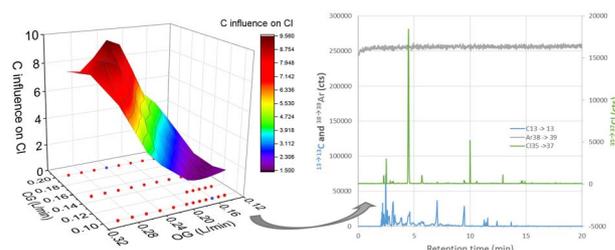
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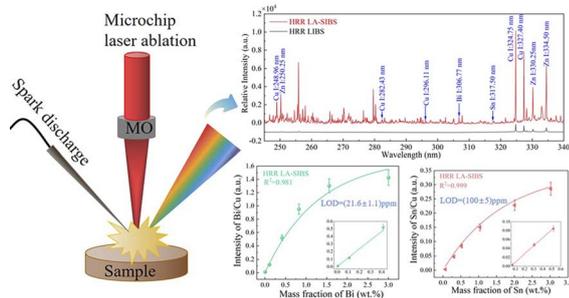
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Chlorine speciation in complex hydrocarbon matrices using GC-ICP-MS/MS

Vincent Souchon,* Marc Maleval, Fabien Chaiet* and Charles-Philippe Lienemann



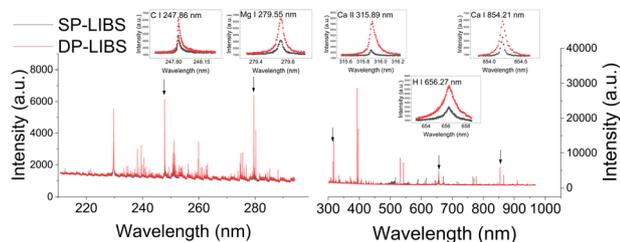
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Quantitative elemental analysis of bismuth brass by microchip laser-ablation spark-induced breakdown spectroscopy

Yarui Wang,* Xiaoyong He and Chaoyong Wang

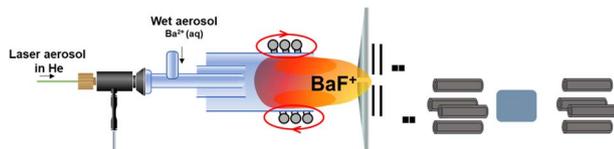
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Multiple-element analysis of coal using collinear double-pulse laser-induced breakdown spectroscopy

Qi Ni, Yong He, Wubin Weng, Yanqun Zhu and Zhihua Wang*

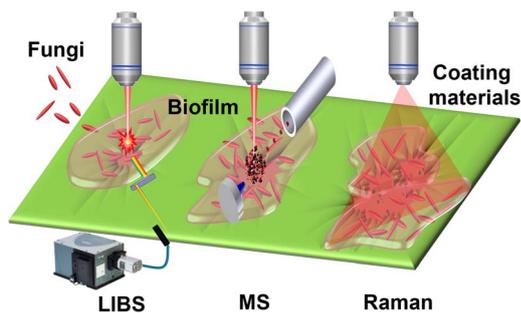
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Fluorine mapping via LA-ICP-MS/MS: a proof of concept for biological and geological specimens

David Clases,* Raquel Gonzalez de Vega, John Parnell and Jörg Feldmann

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Chemical element variation in fungi-induced coating degradation using laser-induced breakdown spectroscopy combined with Raman spectroscopy, mass spectrometry, and multivariate analyses

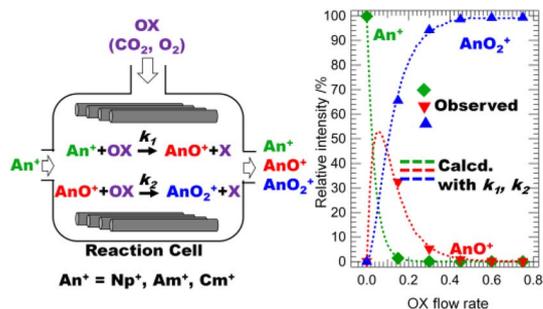
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Reaction of Np, Am, and Cm ions with CO₂ and O₂ in a reaction cell in triple quadrupole inductively coupled plasma mass spectrometry

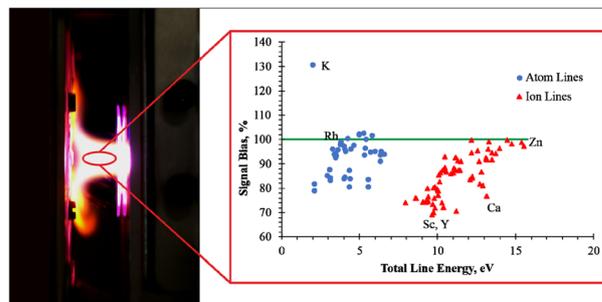
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Matrix effects in simultaneous microwave induced plasma optical emission spectrometry: new perspectives on an old problem

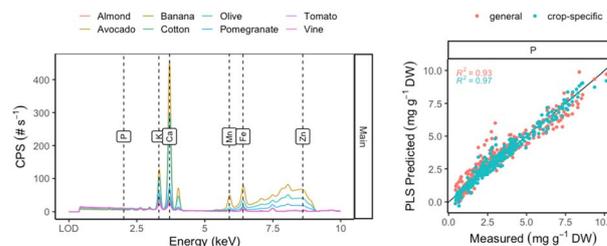
Franz Hallwirth, Matthias Wolfgang and Helmar Wiltzsche*



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Measuring foliar mineral concentrations by X-ray fluorescence requires crop-specific partial regression models

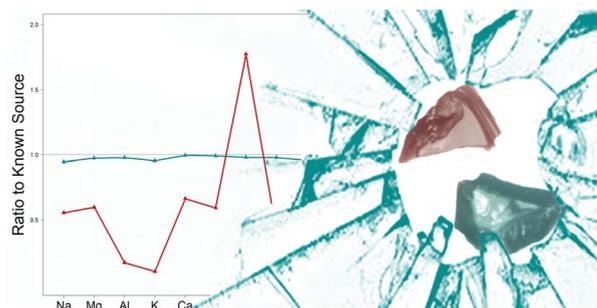
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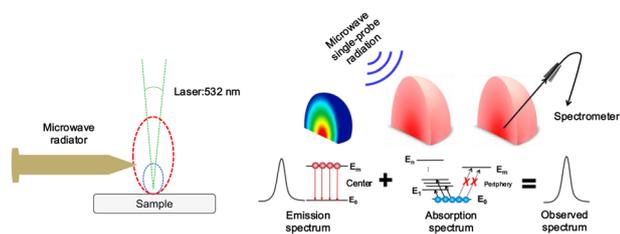


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Reducing sample amount for forensic glass analysis using LA-ICP-TOFMS and multivariate statistics

Pascal Becker and Detlef Günther*





Self-reversal effect elimination in laser-induced breakdown spectroscopy by employing single-probe microwave radiation

Yue Fan, Yang Gu, Zhenlin Hu, Feng Chen, Junfei Nie, Yuanchao Liu, Wen Cheng* and Lianbo Guo*

