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Thibaut Van Acker and Frank Vanhaecke

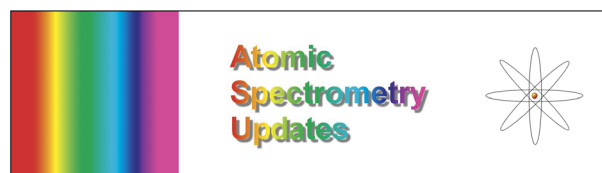


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Atomic spectrometry update: review of advances in the analysis of metals, chemicals and functional materials

Ayush Agarwal, Eduardo Bolea-Fernandez, Robert Clough,* Andy Fisher, Bridget Gibson and Steve Hill



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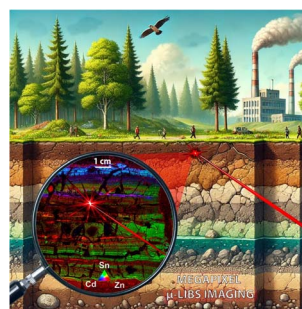
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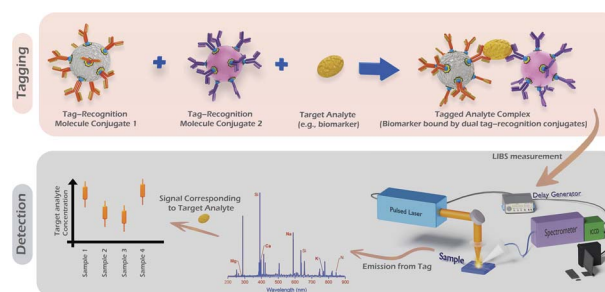
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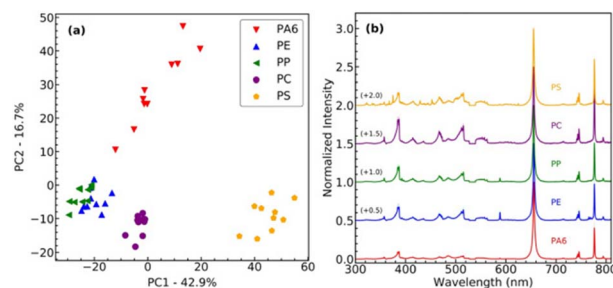
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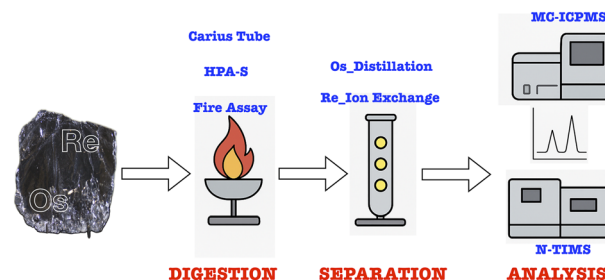
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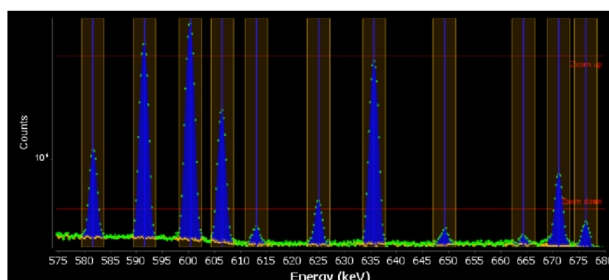
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Ashok Kumar Maurya* and Ashish Kumar Pandey



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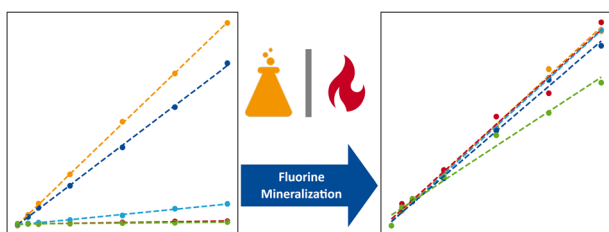


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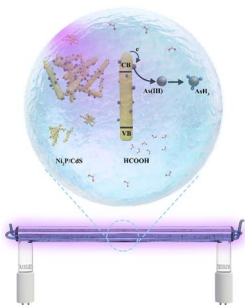
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Alexander Köhler, Marco Biel, Pascal Stopper, Svenja Berit Seiffert and Matthias Schmitt*

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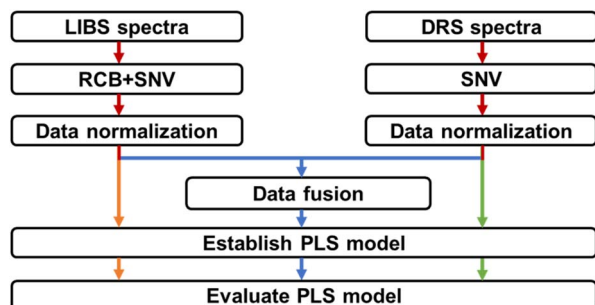


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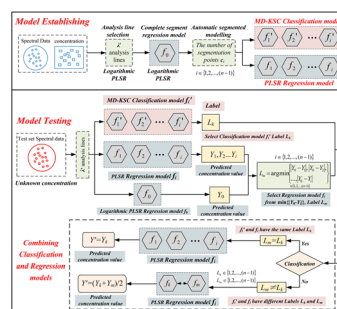
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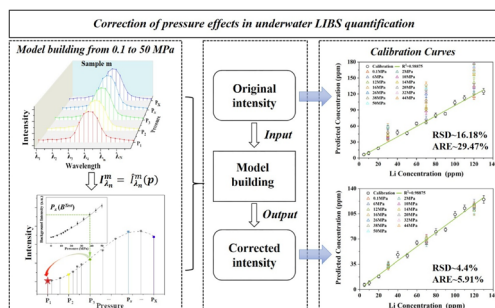
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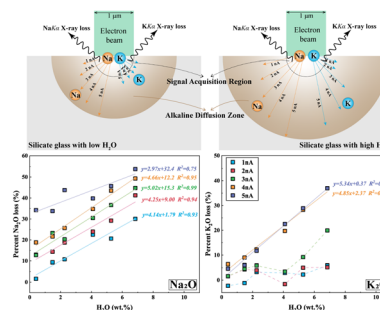
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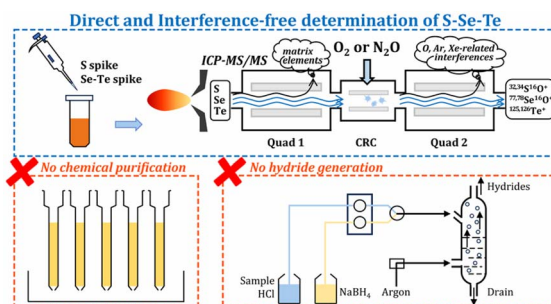
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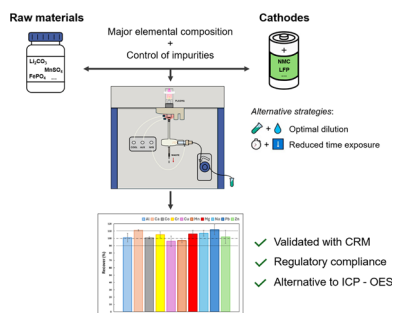
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Accurate determination of sulfur, selenium and tellurium in geological reference materials by isotope dilution inductively coupled plasma-tandem mass spectrometry (ID-ICP-MS/MS)

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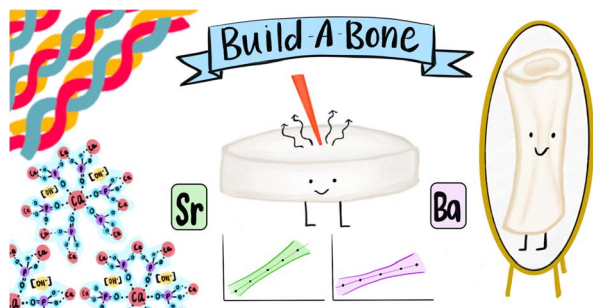
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Innovations in battery material quality control: microwave-sustained inductively coupled atmospheric-pressure plasma optical emission spectroscopy (MICAP OES) for elemental analysis

Jorge Pérez-Vázquez, Raquel Serrano,*
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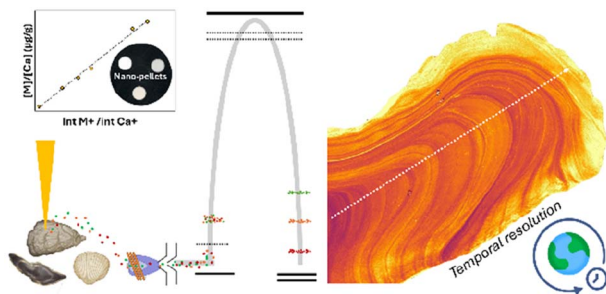
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Build-a-bone: development of a matrix-matched reference material for quantitative analysis of bone with portable LIBS

Kristen M. Livingston, Amanda T. Williams
and Matthieu Baudet*

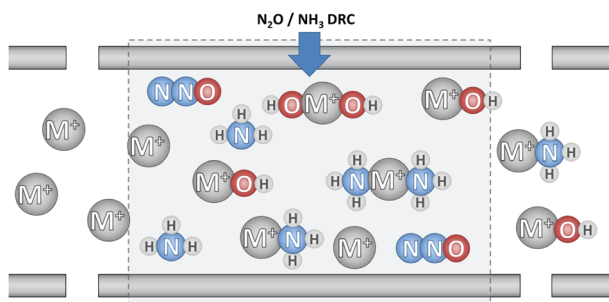
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LA-ICP-TOF-MS for quantitative mapping of biogenic carbonate samples using matrix-matched nanoparticulate pressed powder pellets

Ana Lores-Padin,* Thibaut Van Acker, Niels J. de Winter,
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Isobaric interference removal for selected radionuclides using nitrous oxide and ammonia with inductively coupled plasma tandem mass spectrometry

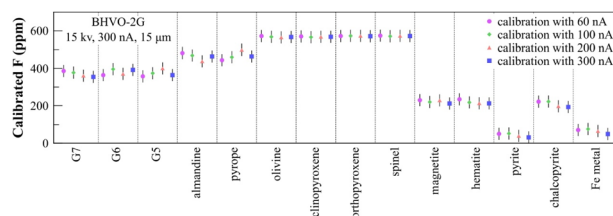
Shaun T. Lancaster,* Ben Russell, Thomas Prohaska
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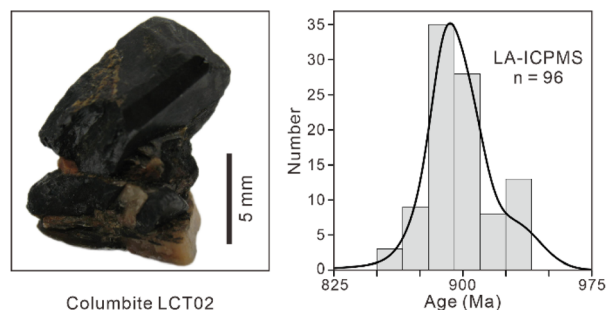
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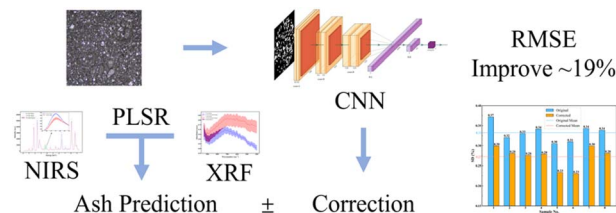
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Image deep learning-driven granularity effect correction: a novel approach to improve the accuracy of NIRS-XRF coal quality analysis

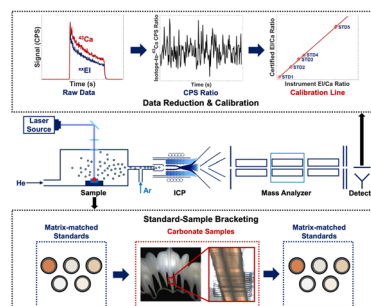
Jiaxin Yin, Rui Gao, Jiaxun Li, Yang Zhao, Zhihui Tian, Junxiao Wang, Yan Zhang, Peihua Zhang, Lei Zhang,^{*} Wangbao Yin^{*} and Suotang Jia



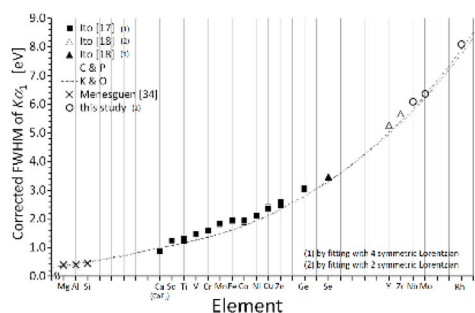
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Accurate high-resolution LA-ICP-MS determination of trace element contents in carbonates with matrix-matched standards

Zhekai Tang, Sang Chen,^{*} Derong Zhao, Tianhui Zhang, Yuncong Ge, Zhuohang Li, Ruifeng Zhang and Lei Zhou



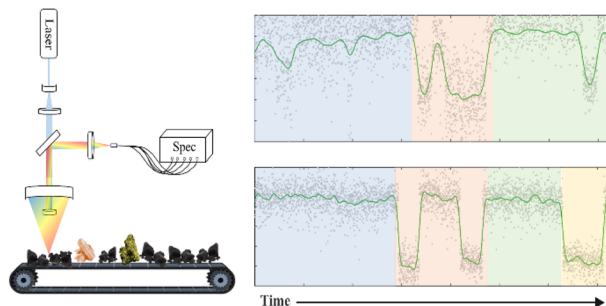
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X-ray spectroscopic evaluation of K -, L_2 -, and L_3 -level widths in Zr, Nb, Mo, and Rh

Yoshiaki Ito, Tatsunori Tochio, Michiru Yamashita, Sei Fukushima, Łukasz Syrocki, Katarzyna Śtabkowska, Marek Polasik, José Pires Marques and Fernando Parente*

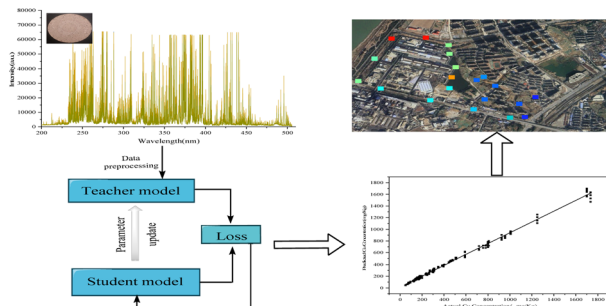
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Calibration and application of a large-scale LIBS project based on transfer learning in the online quantitative analysis of coal

An Li, Xinyu Zhang, Xiaodong Liu, Haohan Sun and Ruibin Liu*

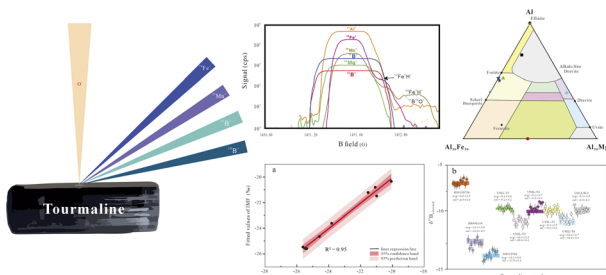
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Yanhong Gu, Zhen Li, Shichao Jin, Zhao Cheng* and Fudong Nian*

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Online correction of matrix effects for boron isotope analysis in tourmaline using nano-secondary-ion mass spectrometry

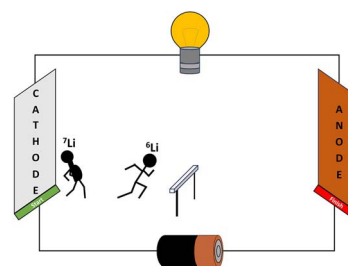
Shaohua Dong, Youwei Chen,* Jian-Feng Gao, Xianwu Bi and Ruizhong Hu



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Exploring age-induced lithium isotope fractionation in lithium-ion batteries using microwave-induced cold nitrogen plasma mass spectrometry

Dalia Morcillo, Alexander Winckelmann, Marcus Oelze, Robert Leonhardt, Anita Schmidt, Silke Richter, Sebastian Recknagel, Jochen Vogl, Ulrich Panne and Carlos Abad*



Who will win the hurdles race in a Li-ion battery?
⁶Li or ⁷Li?

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Morphology–spectral correlations of laser-induced Al plasma with plate wall spatial confinement

Hailong Yu, Qiuyun Wang, Xun Gao,* Xingsheng Wang and Jingquan Lin*

