

Semi-quantitative analysis of metal alloys, brass and soil samples by calibration-free laser-induced breakdown spectroscopy: recent results and considerations

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Fig. 1. Example of a merged spectrum of an aluminum alloy sample. The different colors depict the 67 individual spectral windows optimally spliced together using an in-house merging software written in Q-Basic.

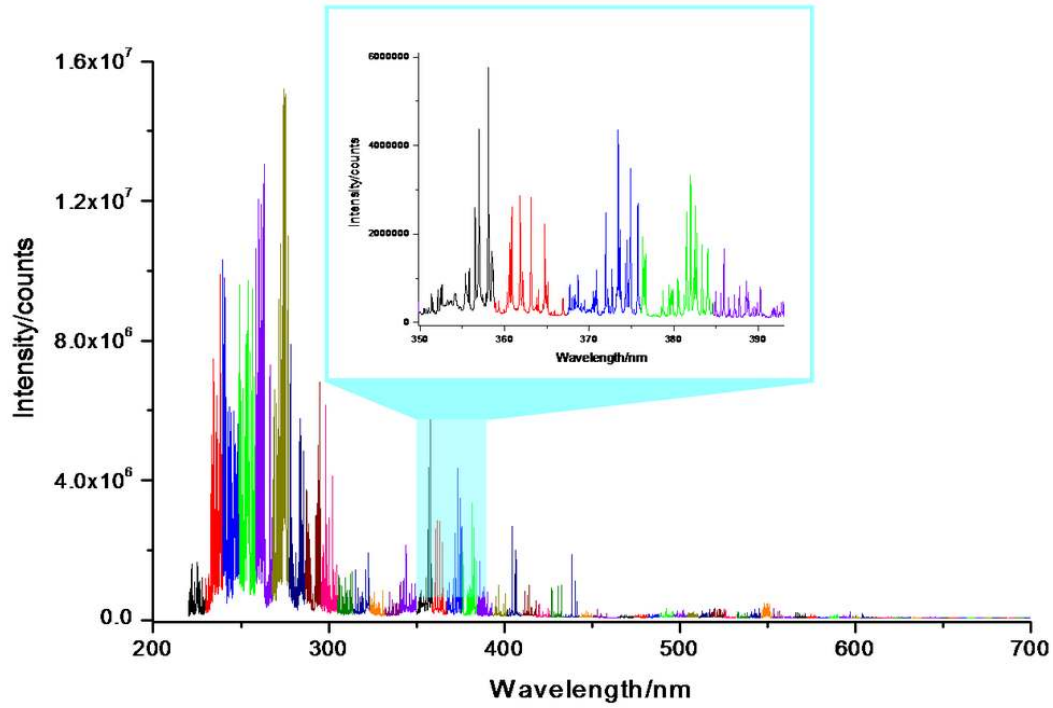


Fig. 2. Relative spectral efficiency of the detection system.

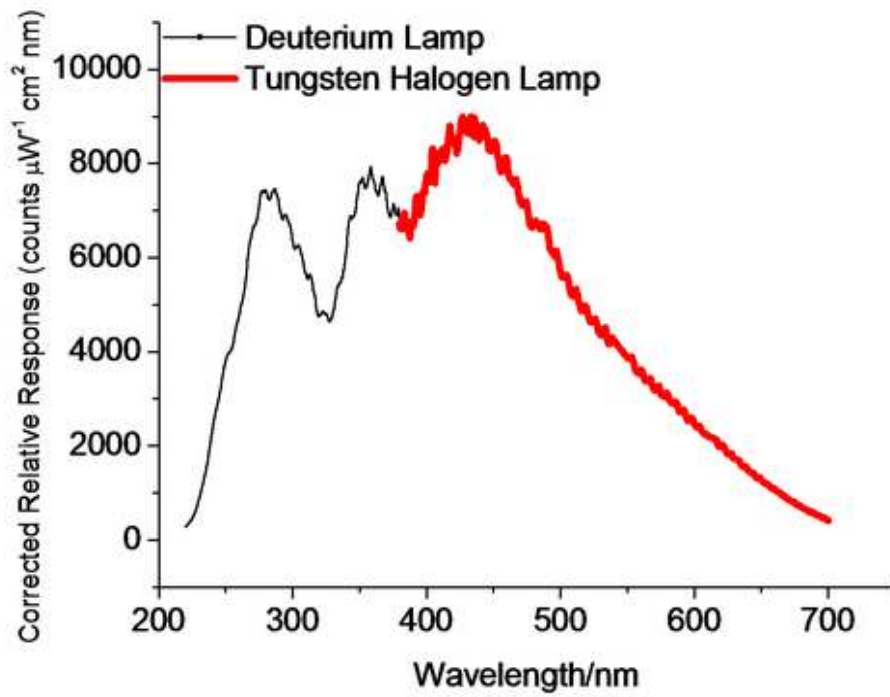


Fig. 3. Images showing the temporal evolution of laser-induced plasmas obtained from Al alloy B8. The plasma is propelled away from the target surface indicated by the dashed yellow line.

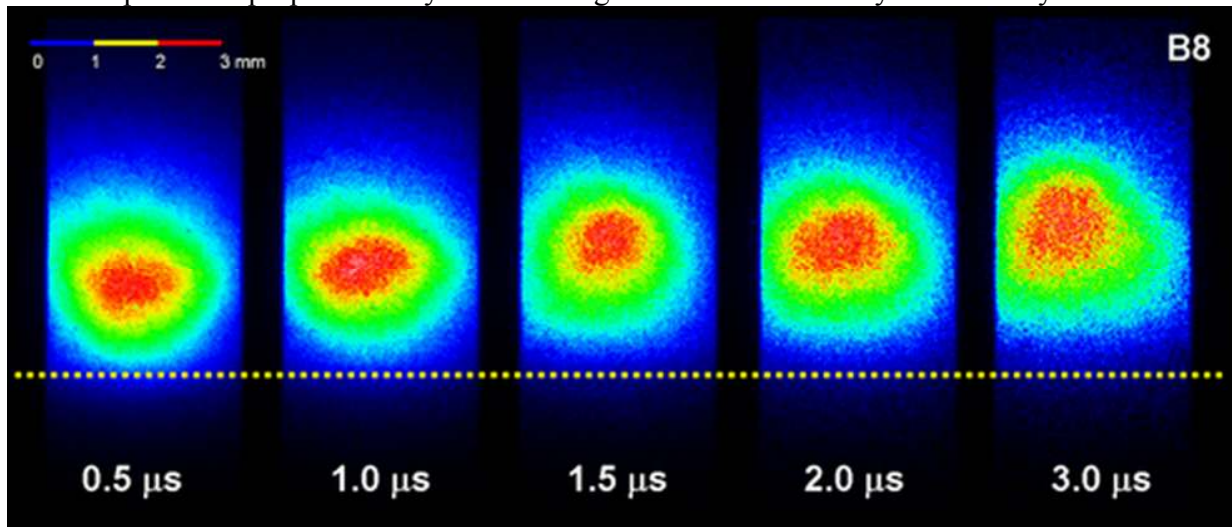


Fig. 4. Images of the laser-induced plasma obtained from Al alloy B8 at 3 different ambient pressures.

