



Showcasing research from Professor Zhe Wang's laboratory, The Department of Energy and Power Engineering, Tsinghua University, Beijing, China.

Recent advances in chemical composition imaging operation based on laser-induced breakdown spectroscopy

This work provides a comparatively comprehensive and systematic introduction to recent developments in chemical composition imaging based on LIBS, with a focus on principles, operation, and recent developments. More importantly, existing problems in LIBS imaging are illustrated and we provide our own insights into its future development direction, including LIBS signal optimization, LIBS imaging resolution improvement and multiple technology integration.

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See Zhe Wang *et al.*, *J. Anal. At. Spectrom.*, 2025, 40, 665.