



atoms



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Applications and Advances in Laser-Induced Breakdown Spectroscopy (LIBS)

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Deadline for manuscript
submissions:

closed (1 September 2021)

Message from the Guest Editor

The purpose of this special issue is to show the applications and advances in laser-induced breakdown spectroscopy (LIBS). In LIBS, a pulsed laser is focused onto a surface. The laser pulse heats, ablates, ionizes, and atomizes the surface material. This results in the formation of a plasma which emits light. The light contains the excited atoms and ions; this light is collected, spectrally resolved, and detected usually in the form of a spectrum. The elements in the plasma are identified by their unique spectral signatures.



mdpi.com/si/71289

Special Issue



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Message from the Editor-in-Chief

The scope of *Atoms* is deliberately wide and encompasses a large part of theoretical and experimental atomic, molecular, nuclear, and chemical physics in order to encourage cross-disciplinary connections, while supporting the more traditional idea of individual subfields. The journal is also interested in papers concerning the computation and compilation of data related to applications in the above areas. Details of experimental methods and codes are welcome. Your research is taken seriously and peer-reviewed with care. I encourage you to contact me or any of the Editorial Board Members for further information.

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