Special Issue

Laser Ablation: Materials and Applications

Message from the Guest Editor

In this Special Issue, fundamental processes of laser ablation over a broad range of laser types are ecompassed together with new material fabrication and processing for the development of advanced photovoltaics, surfaces with added values, superconducting thin films, colloidal nanoparticles, and nano- or microarrays via micromachining. Special focus is on two distinctive techniques: laser-induced breakdown spectroscopy and related techniques for materials analysis and pulsed laser deposition for new materials fabrication. It is my pleasure to invite you to submit a manuscript for this Special Issue—"Laser Ablation: Materials and Applications". Full original scientific papers, communications, and reviews are all welcome. Critical reviews in specific modern topics such as laser-induced breakdown quantitative spectroscopy, pulsed laser deposition, laser synthesis of nanoparticles in liquids, laser plasma-based extreme light sources, laser synthesis and processing of new materials, and laser-based techniques for analysis of laser plasmas are particularly welcome.

Guest Editor

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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