Special Issue

Laser Manufacturing and Material Modification

Message from the Guest Editors

This Special Issue seeks contributions addressing recent advances and challenges in laser–material interactions, process innovation, multi-physics modeling, and in situ characterization. Submissions focusing on functional surface modification, hybrid processes, and emerging applications are particularly encouraged. The goal of this issue is to foster interdisciplinary discussion and advance the scientific foundations of laser-based manufacturing and material design. Topics of interest include, but are not limited to, the following:

- Short/ultrashort-pulse laser manufacturing;
- Laser-assisted hybrid manufacturing;
- Laser-induced material modification;
- Laser-manufactured micro/nanodevices;
- Development of novel laser manufacturing technology;
- Laser–material interaction mechanisms;
- In situ monitoring of laser manufacturing.

We look forward to receiving your contributions.

Guest Editors

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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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