Special Issue

Laser Materials Fabrication and Joining

Message from the Guest Editor

The use of lasers in manufacturing has increased dramatically over recent years, leading to a position in the processing of old and innovative materials. This Special Issue on “Laser Materials Fabrication and Joining” aims to provide a revised, updated and expanded overview of processes and applications of industrial lasers in materials processing. Innovative aspects of laser techniques and process, such as joining, hybrid welding, materials deposition, additive, coating, etc., will be included. The subjects of the papers cover fundamental theory, technology and methods, traditional and emerging applications and potential future directions. Mathematical modeling, simulation, optimization and control of those laser processes and resulting material properties are also welcomed.

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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