Special Issue

Advances in Laser Technologies and Applications (Volume II)

Message from the Guest Editor

Since the invention of the laser, a broad variety of laser systems with different properties has been developed, which has allowed for the processing of almost any material. Laser has been established as the key tool for many material processing applications, and many times it is the only real solution available. These great properties for material processing, combined with its high flexibility and scalability, have allowed for its use in high-throughput industrial applications, and many current industrial production processes would not be possible without it. This Special Issue covers the whole spectrum of laser material processing, ranging from novel trends in well-established industrial processing techniques to fundamental research in novel applications. This issue will cover applications with new laser systems, new beam delivering systems and new methods for monitoring and adaptive control of laser processes. In addition, fundamental research concerning the interaction between laser radiation and matter, including simulations and modeling of these processes, will also be topics of specific interest.

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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