Special Issue

Laser Technology for Materials Processing—Second Edition

Message from the Guest Editor

Since its discovery (~1950), lasers have been widely applied in industry and have been a popular the topic of numerous research projects and over 500 k scientific publications in the past 5 years. Research on lasers has been increasing over time due to their ability to change the properties of a wide range of materials. This technology is advantageous because it allows for the control of parameters, such as energy, duration, and shape/geometry, as well as the process. This means users can locally change the material structure at the surface or even bulk sections, which can benefit existing technologies. It is well known that the interaction of a laser beam with materials can be useful in many industrial applications, such as oxides/ceramics, metals, polymers, and wood materials. This Special Issue aims to collect studies on the newest advances in laser research, including new processing techniques, material designs, characterization, etc. Additionally, it will provide readers with up-to-date information on the recent progress in laser technology for materials processing.

Guest Editor

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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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