Special Issue

Recent Advances in Advanced Laser Processing Technologies

Message from the Guest Editor

Laser processing is a groundbreaking technique that is revolutionizing advanced manufacturing across a wide range of materials. With its notable advantages of high efficiency, superior quality, automation, and customization, laser processing techniques have found extensive applications in various industrial sectors, including aerospace, energy, transportation, and healthcare. This Special Issue aims to create a platform for showcasing cutting-edge advancements, inspiring new developments and promoting the applications of laser material processing. We welcome both original research papers and reviews from scientists, researchers, engineers, and experts in this field. Topics of interest include the following areas:

- Laser processing and additive manufacturing;
- Laser machining, including cutting/drilling/texturing;
- Laser forming, including bending/rapid prototyping/coloring/deposition;
- Laser joining, including laser welding/brazing/soldering/sintering;
- Laser–matter interaction in material processing;
- Laser-based surface engineering.

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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