

## Special Issue

# Advances in Laser Processing

### Message from the Guest Editors

Lasers are routinely used as tools with exceptional capabilities in many applications of materials processing. The development of new laser sources and processes is continuously expanding the use and performance of laser materials processing. This Special Issue welcomes novel contributions reporting advances in applications of laser materials processing. The processes included in the scope of this Special Issue range from the most conventional applications such as laser cutting, welding, marking, cladding, annealing, or surface treatment, to the most recent ones, such as additive manufacturing, the synthesis of nanomaterials, micro- and nano-manufacturing, and other new processes. Of great interest are works that support new insights into fundamental mechanisms using experimental, theoretical, or computational methods or combinations of these approaches. Contributions should concern any materials processing application where lasers are an essential tool; contributions dealing with laser processing of metals, ceramics, and biomaterials are especially welcome. Keywords

- laser materials processing
- laser synthesis
- laser manufacturing

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### Guest Editors

Prof. Félix Quintero Martínez

Prof. Dr. Juan Pou

Dr. Antonio Riveiro

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### Deadline for manuscript submissions

closed (20 September 2023)



## Materials

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*Materials*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[materials@mdpi.com](mailto:materials@mdpi.com)

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### Message from the Editorial Board

*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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### Editors-in-Chief

Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada
2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

Prof. Dr. Yuguang Ma

State Key Laboratory of Luminescent Materials and Devices, South China University of Technology, Guangzhou 510640, China

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