Special Issue

Laser Ablation and Surface Processing

Message from the Guest Editor

The effect of laser radiation on the surface of the material is twofold. On the one hand, there are surface changes, and on the other, ablation products are released from this surface as a result of the laser action. These are two sides of the same coin. For some of us, the goal is ablation itself as a source of material for further use. Others are mainly interested in changes in surface properties due to ablation. However, both processes are interdependent. For instance, irrespective of the surface treatment, ablation products can be used to monitor the process. Hence, the topic of this Special Issue is Laser Ablation and Surface Processing. It is my pleasure to invite you to submit a manuscript concerning laser ablation as well as laser surface processing. Full papers, communications, and reviews are all welcome.

Guest Editor

Dr. Jacek Hoffman

Laboratory of Technological Applications of Lasers, Institute of Fundamental Technological Research, Polish Academy of Sciences, Warsaw, Poland

Deadline for manuscript submissions

closed (31 October 2022)

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/85514

Materials
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
materials@mdpi.com

mdpi.com/journal/materials

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/journal/materials

MDPI

About the Journal

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.

Editor-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

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Ei Compendex, CaPlus / SciFinder, Inspec, Astrophysics Data System, and other databases.

Journal Rank:

JCR - Q2 (Metallurgy and Metallurgical Engineering) / CiteScore - Q1 (Condensed Matter Physics)