materials

an Open Access Journal by MDPI

IMPACT FACTOR 3.1

Indexed in: PubMed

CITESCORE 5.8

Advances in Sheet Metal Forming Processes of Lightweight Alloys, 2nd Edition

Guest Editors:

Dr. Mateusz Kopec

Dr. Denis Politis

Dr. Xiaochuan Liu

Dr. Kehuan Wang

Deadline for manuscript submissions:
closed (20 May 2024)

Message from the Guest Editors

This Special Issue focuses on the characterization techniques and advanced predictive models developed for such processes. Papers from various disciplines with a common theme of metal forming are invited and may fall under (although they are not limited to) the following topics:

- Advanced FE simulations of metal-forming processes;
- Post-form strength characterization and modeling;
- Heat transfer characterization and modeling;
- Friction, wear, and lubrication characterization and modeling;
- Formability, necking, and failure prediction;
- Novel experimental techniques for metal forming process characterization;
- Measurement systems for extracting valuable data from metal forming processes;
- Data-driven techniques for process development.

materials

IMPACT FACTOR 3.1 | Indexed in: PubMed | CITESCORE 5.8

an Open Access Journal by MDPI

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

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.

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

Contact Us

Materials Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/materials
materials@mdpi.com
𝕏@Materials_Mdpi