

## Special Issue

# Oxidation and Corrosion of Metals and Alloys

### Message from the Guest Editors

Oxidation and corrosion are critical concerns in a wide range of industrial applications, particularly where metallic materials are exposed to harsh environments such as high temperatures, humidity, or aggressive chemical agents. Understanding the mechanisms of surface degradation and developing innovative protection strategies are essential for improving the durability and performance of metals and alloys in sectors such as automotive, aerospace, energy, and infrastructure. This Special Issue aims to bring together recent advances in the field of the oxidation and corrosion of metals and alloys, with a particular emphasis on surface modification techniques, corrosion and degradation behavior, and nanostructured coatings. We also welcome studies that explore the interplay between microstructure and corrosion behavior and new insights into high-temperature oxidation and advanced joining techniques.

### Guest Editors

Dr. Chunlong Cheng

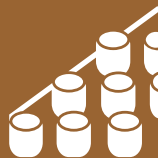
School of Materials Science and Physics, China University of Mining and Technology, Xuzhou 221116, China

Prof. Dr. Zheng Chen

School of Materials Science and Physics, China University of Mining and Technology, Xuzhou 221116, China

### Deadline for manuscript submissions

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## 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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*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

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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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