Special Issue

Recent Advances in Corrosion Science

Message from the Guest Editor

Corrosion resistance depends on numerous determinants, depending on material structure and chemistry, but also on complex environmental factors. It is highly challenging to obtain consensus between high resistance and economic factors. On the other hand, inadequate levels of corrosion control create serious hazards to life and the environment. The Special Issue "Recent Advances in Corrosion Science" is aimed at presenting a collection of original research and reviews focused on current engineering problems and discussing the available solutions on the topic of corrosion failure mechanisms, advances in corrosion protection and evaluation techniques ranging from industrial to nanoscale applications. Keywords

- Electrochemistry of corroding interfaces
- Local corrosion processes at the micro- and nanoscale
- Electrochemical protection of metals
- Industrial-scale processes and corrosion monitoring
- Advances in corrosion measurement techniques
- Corrosion-resistant coatings and their characterization

Guest Editor

Prof. Dr. Jacek Ryl

Institute of Nanotechnology and Materials Engineering, Faculty of Applied Physics and Mathematics, Gdansk University of Technology, 80-233 Gdansk, Poland

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

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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.

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

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