



Metals Functionalization via Plasma Electrolytic Oxidation

Guest Editor:

Prof. Dr. Wojciech Simka

Faculty of Chemistry, Silesian
University of Technology,
Krzywoustego Str. 6, 44-100
Gliwice, Poland

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Message from the Guest Editor

Due to the specific applications of many metallic materials, studies on the use of surface modification techniques are in progress. To obtain functional coatings on different metals like Ti, Ti alloys, Mg, Al, Zr, Nb, Ta, many methods could be applied, such as electrophoretic deposition (EPD), anodic oxidation, plasma electrolytic oxidation (PEO) (which is also known as micro-arc oxidation (MAO)), chemical or physical vapor deposition (CVD, PVD), or ion implantation.

Keywords

- plasma electrolytic oxidation
- micro-arc oxidation
- surface modification
- biomaterials
- corrosion resistance
- catalysis





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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

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Materials Editorial Office
MDPI, St. Alban-Anlage 66
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