

Special Issue

From Corrosion to Emerging Applications—Fundamentals and Recent Advancements in Metals Anodizing

Message from the Guest Editor

Metal and alloy anodizing techniques are well known in the scientific community for their diverse range of applications. This fruitful journey started over a century ago, when aluminum alloys were anodized for corrosion protection. The research on this subject is ongoing, with the aim of identifying new, non-toxic solutions for high-tech industries. Moreover, various semiconductors with a higher surface area, such as TiO₂ or CuO_x, are formed via anodizing, contributing to emerging fields including renewable energy harvesting and the electrochemical reduction of carbon dioxide. Please find more details from the Special Issue website at:

https://www.mdpi.com/journal/materials/special_issues/9KLMG90CC1

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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.

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