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

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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 TiO_2 or CuO_x , are formed via anodizing, contributing to emerging fields including renewable energy harvesting and the electrochemical reduction of carbon dioxide.

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Message from the Editor-in-Chief

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