Special Issue

Anodized Materials and Their Applications, 2nd Edition

Message from the Guest Editor

Based on the success of the 1st Edition, I am pleased to announce the 2nd Edition of the Special Issue of Materials entitled “Anodized Materials and Their Applications”. Generally, anodized minerals are obtained on the surface of “valve metals” and their alloys through relatively easy electrochemical oxidation processes. Depending on the substrate materials, anodization regimes, electrolyte type, and oxidation conditions, it is possible to obtain many forms of anodic materials, e.g., nanopores, nanotubes, nanorods, sponge, and many more. A wide range of obtainable morphologies/structures ensures that anodized materials are successfully used in a wide array of applications in such scientific fields as optics, supercapacitors, LEDs, catalysis, photocatalysis, sensing, electronic devices, electrochemistry, and others.

This Special Issue will focus on the major trends in a wide range of applications of various anodic nanomaterials.

It is my pleasure to invite all authors with expertise in the abovementioned topics to submit their manuscripts to this Issue of Materials.

Guest Editor

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Deadline for manuscript submissions

closed (20 May 2024)

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Message from the Editorial Board

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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